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Nariraksha: An Android Application for the Safety of Women

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ABSTRACT: In this new era of technology use of handset has been grown in very large manner and which can be also used as a safety and for many other security reason. The shocking event that heated the complete population has made us to work on the safety problems and lead us to develop an application to provide safety to women's with the help of their headsets. This paper presents NariRaksha an Android Application for the Safety of Women and this app can be activated by a single click, whenever the safety rises. A single click on this application recognises the location of the victim through GPS and leads a message containing this location URL to the listed contacts and also call on the first listed contact to help the victim in hazardous situations. Continuous location tracking information through SMS supports to find the location of the victim quickly and can be rescued safely.

KEYWORDS Activity Android; GPS; URL; Registered Contacts

I.   INTRODUCTION

Ladies are refined at preparing assorted gatherings for regular causes. They frequently work across racial, consecrated, stubborn, and scholarly partitions to empower peacefulness. We know about significance of ladies' security, yet we should perceive that they althought to be very much gotten. A Woman isn't much incredible when contrasted with men actually, in an emergency circumstance and requirements some assistance to rescue them at hazards situation.The most ideal approach to limit chances in turning into a survivor of fierce wrongdoing (theft, rape, assault, aggressive behaviour at home) is to distinguish and approach assets to help you out of risky circumstances. In case of any night travel or travelling alone in hazardous places these applications on your handset can decrease your danger and bring help when you require it. In the light of late shock in Delhi which shook the country and lead us to the security problem for our little girls, public are outfitting for justice in various situation to fight . A development of new applications have been created to give security frameworks to ladies on their handset. Here, we present an android application that guarantees the security of ladies. It decreases the danger and helps us deprived by distinguishing the area of individual who is at serious risk.
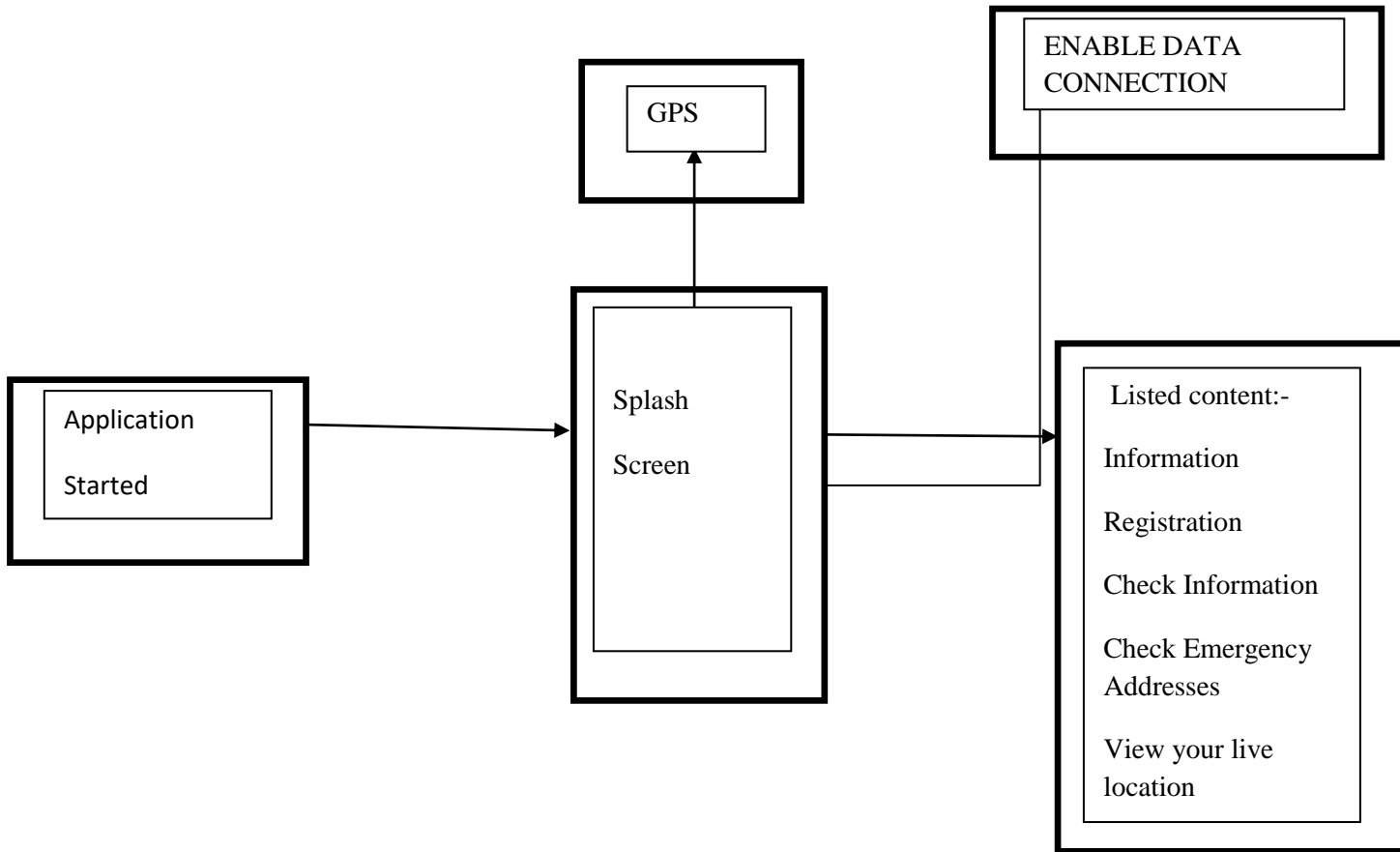
II .   LITERATURE REVIEW

As a piece of writing study, we examined a few applications that offer something similar or comparative administrations for android and different steps. The point is to perceive how these applications work and to perceive how they can be improved. Today the instances of barbarities on ladies are developing. In these kinds of cases, an advanced cell assumes a significant part for wellbeing of ladies. Presently android is sprouting on some applications for ladies security reason. These applications are as per the following :-

1. FIGHTBACK: - This application is created by Mahindra group. In prior days, this application was not free, client need to make up for this application. However, after Delhi assault occurrence, this application is close by at no expense. This application makes an impression on your companion or contacts that "client is in a tough situation" through E-mail, SMS and GPRS. This application deals with those mobiles that help Android Java Programming.

2. SECUREME BETA: - This app is developed by assume MPI Consulting personal restricted. It facilitates US to lift alert and that we will get help just in case of life threatening emergencies. Once putting in the app, at first we've got to allow a PIN number for security purpose so once emergency contacts should be

registered within the app. By pressing a faucet on secure button, it notifies the contacts with location co-ordinates.

3. VANITHA ALERT: - This application is created by ABC Mobile Learning Communication click on " HELP" button on our manufactured house's screen in a crisis circumstance can convey a pain instant message to the enlisted portable number ,E-mail id, Facebook id looking for help and demonstrating the client's area.

4. Sutar Megha et al, The molestation of ladies at work (Prevention, Prohibition and Redressal) Act, 2013 is AN authoritative demonstration in Republic of India that appears to defend women from inappropriate behaviour at their work setting. these days women are forward a big half as a president, PM, speaker of the Lok Sabha and amazingly within the field of flight, military, IPS, IAS, then forth so, even these days women have accomplished high things in work and society, nevertheless they're addressing problems like actual bedevilment and also the rape. The instances of provocation and assaults on women are increasing consequently security issue for such woman is additional vital.

5. Anup CJ et al, has proposed that the measure of crime against ladies has increased by large numbers because of the major independence prominent openness of ladies in each field of life. Ladies were recently limited to the four dividers of the houses and after globalization, they have the potentials for success and freedoms to have similarly in all areas at contrast and male. Now a days women's are working everywhere with equality Ladies are working as a day's taxi drivers and they are additionally the CEO of top organizations. It is a great sign we have notice nowadays that the man typical mentality of the general public has changed somewhat yet not to the level it should. It is the very attitude that confines ladies to go out and work making them as an instrument for training. It is the very outlook that regards guys as better than female and consistently attempt than rule the womenfolk. There are various types of devices that are being utilized by the male-ruled society to get their control over the female

6. Shreya Asha Chaudhry et al, Safety of Women in India has become a significant issue in India now. The crime percentages against ladies in the nation have simply ascended generally. Ladies reconsider prior to getting out of their homes, particularly around evening time. This is, tragically, the pitiful truth of our country that lives in consistent dread. Ladies in India have been given equivalent rights as men; be that as it may, individuals don't adhere to this standard. They add to the development and improvement of our nation; still, they are living in dread. Ladies are presently on regarded positions in the nation, yet assuming we investigate the draperies, we see even they are being abused. Every day we read about horrendous violations being submitted against ladies in our country. In our everyday life, where you don't hear the information on a wrongdoing against ladies in India. Truth be told, there are in any event five news stories that educate us concerning the terrible subtleties of the different crimes.Itis very agonizing to watch the situation with ladies' wellbeing in India, particularly in a country where ladies are given the height of goddesses. To keep away from circumstances like this, in this the creator planned a gadget with a sensor called IoT to shield ladies from risk

7. Snehal Lokesh et al, Violence against ladies and young ladies doesn't separate by race, religion, culture, class or country. Around the world, one of every three ladies have encountered either physical or potentially sexual savagery, and in excess of 15 million young ladies matured 15-19 years have encountered assault. Struggle and dislodging just elevate the issue. As young ladies and ladies lose their emotionally supportive networks and homes, are put in uncertain conditions and in new jobs, their danger of sex based savagery (GBV), including sexual brutality, close accomplice viciousness and kid misuse builds step by step. Regions like roads, public spaces, public vehicle, and so forth

IV.FLOW CHART OF THE APPLICATION

In this flowchart of the system. Basically, when we start the application, firstly it will checks the location permission, Data connection permission is enable or not in the application . After that it confirms the location of the victim through GPS and then send the live location in the form of URL through text message to the Listed contacts. Here, registered contacts means the contact details that are saved in the NariRaksha application during its intallation. Now, the text reciving device can get exact location of the victim and they can be rescued safely.

1. The first thing is to register the listed contact in the application.

2. Those contacts can be our relatives, friends and chief cop of the particular city the person we live in.

3. When the application is installed in the smart phone for the first time the above contact details should be provided.

4. The application will save the given information.

5. The second major step is to send the GPS information (GPS information can be in the form of the live location. which

leads to the location of the victim with the help of Geo location provided by Google maps.

6. This step is followed only when the rescue button is pressed in application.

7. The whole process of this step is done only when the device is connected to the proper mobile network and location

service in the device is switched on (GPS).

8. The third major step comprises of work done in sending the message containing live location to the listed contacts of

the victim.

10. The exact location of the person can be tracked by the application with the help of live location continuously which is the primary aim of the proposed system and the victim can be rescued.

V.PROPOSED METHODOLOGY

The device are often activated by simply pressing the emergency button once. This device gets activated and sends instant location with a distress message to the police pre-set numbers through a GSM module three. The triggering button and the way the device feels like and once the emergency button is double clicked, the device sends each the distress message with instant location and records the audio of the incident. Once constant button is long ironed it activated decision to the police and sends message to the police instant location.

TextView- we used it for implementing the text of application, we have used it for providing the tittle of the application ImageView – Basically it is used for displaying image content .In this application the implementation of logo is done with help of ImageView.

Include Listview – which used for displaying the list of items, we have added this on the home screen of application for different TextView content.
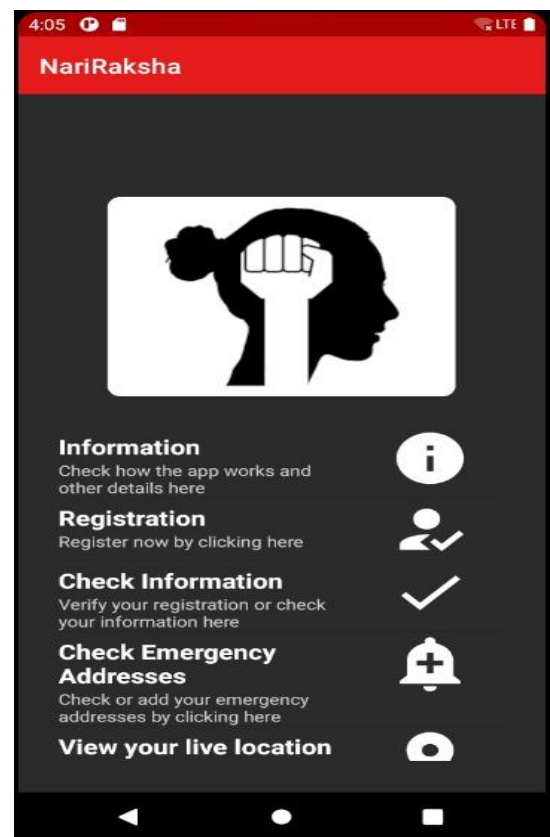
Linearlayout- it is used for giving the schema for the application.
Button- it is used for giving the different funcanility of the app.we have used this button for adding contact and details of the user.
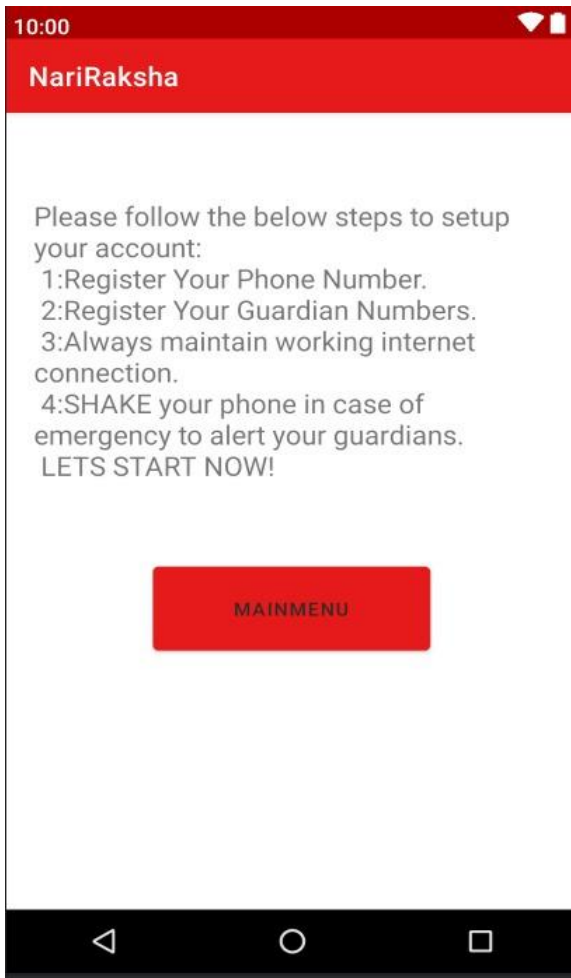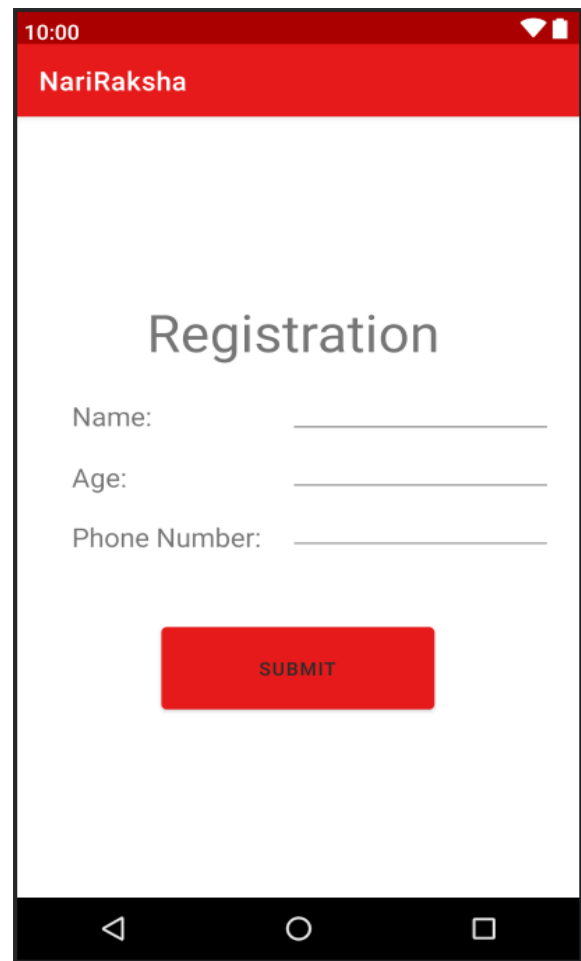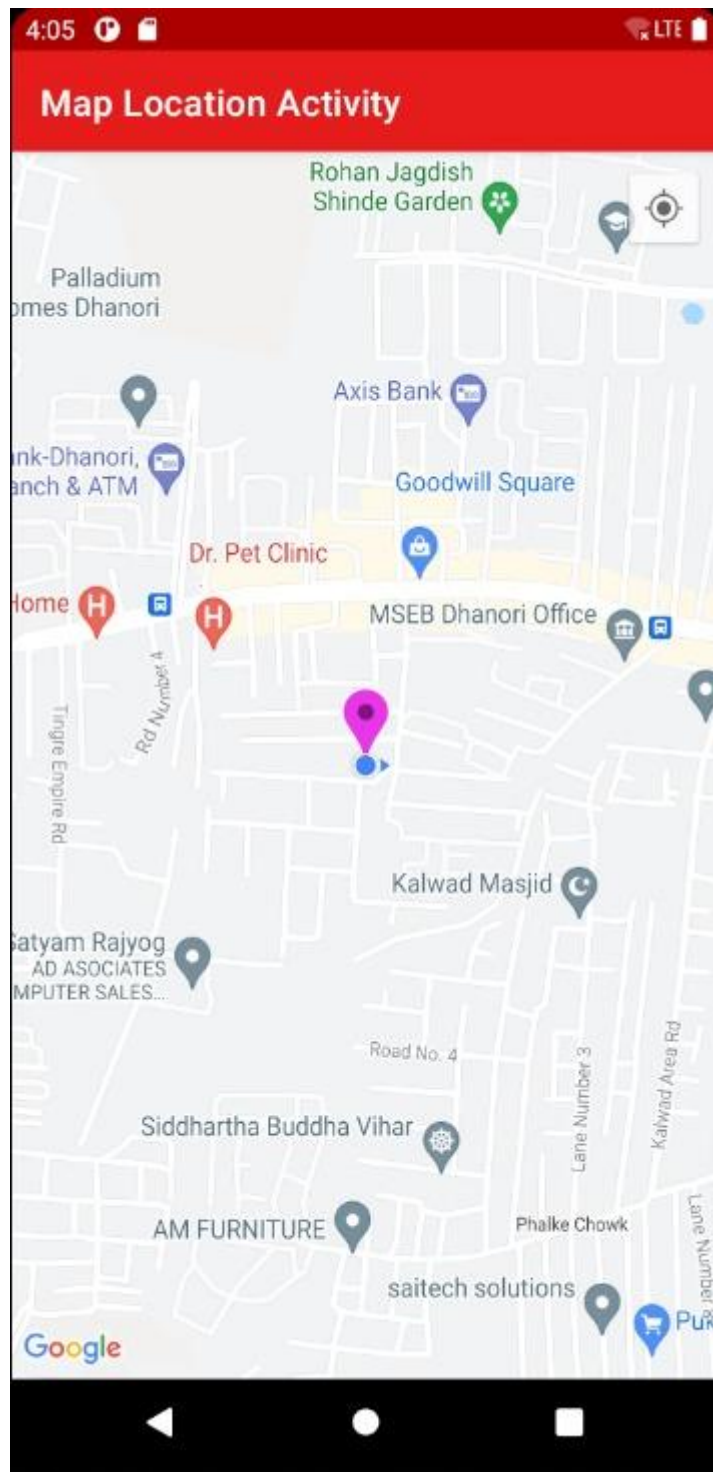
VI. IMPLEMENTATION

Splash Screen   **Home screen**

Information screen   **Registration page**

GEO location of user

VI. CONCLUSION

In this paper, we've represented, Application for the protection of girls. This application helps in live chase of the placement of the victim through GPS at the side of one in all the listed contacts receives a text massage from the handset device. The advantage of this application is when the button is pressed live location of the basic device is changing rapidly; we will determine the precise location. As a future scope, this application may be integrated with the enforcement information, which has all the phone numbers of nearby cops. Some use cases like rescuing victim, once the mobile network isn't accessible, once initial alert or turn off condition. Further, it may be developed for IOS and Windows mobile platforms. Thus, this application will perform a major role
, in women safety conditions.

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