

Parent's Eye

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Abstract: This project is aimed to develop an Android application called "Parents Eye". This Android application (APP) is use to track one's route and send it to another user when she/he reaches the location. This application can also be used to change the Audio profile of the phone. When the user reaches its Location the phone will automatically change its audio profile. We have used the SMS (short message service) server to send a message to another person when she/he has reached the location. We also have used voice recognition. In the emergency situation voice recognition feature can be used. When there is an emergency another user's alarm will start even if the audio profile is on silent and get an emergency message which is sent from another user. The main purpose of this device is to trace the situation of the kid in a simple manner. The kid can even send alert message at the side of their location to their parents. The prevailing devices use Bluetooth and Wi-Fi for communication. As these 2 technologies cowl solely a brief range, the communication over the way space is very impossible. This device uses SMS based mostly technology to beat this problem. To grasp the latitude and line of longitude of the child's location the fogeys are not within this would like of causation any specific code to the device. If they press the key they will receive the SMS.

Keywords: Accident, Urgent, Help, Emergency, Important

I. INTRODUCTION

In the "PARENT'S EYE" application we can send our route to another user having this application with help of this application we can track an- other user's location and when he reaches that location we can see from which route the user has passed and at the start of the trip there will be notification sent to the user and at the end of the trip also the notification will be sent to the user. When the user has reached the particular location the audio profile of the user's phone will automatically change which he has selected while starting a trip. We also have used voice recognition feature. This feature can also be used in emergency situations when the user have met with an accident then by using voice recognition the message will be sent to the user and an alarm will start ringing even if another user's phone audio profile is on silent. Some keywords by which the alarm will start ringing are: - 1) Urgent 2) Emergency 3) Important 4) Accident 5) Help Embedded system is a Mobile app with specified functions within large devices with real time computations. It is the combination of both hardware and software. Embedded systems play a vital role in the development of technologies. The integration of hardware and software can be used in many fields such as industries, automobiles, medical and other commercial applications especially in the field of automation. One of the main driving forces to start this wearable device is that the children are more vulnerable to danger and they are frequently kidnapped.



In this modern world everyone are chasing behind money so that the parents cannot look after their children on the whole day and also they cannot restrict the children to stay inside the confined area. So for the continuous monitoring of the

children's location this device can be used. If the child is missed in any crowd then they can also alert their parent and neighbours. The devices present in the present world to monitor the location and activities of the children uses Bluetooth and Wi-Fi.

1.1 MOTIVATION

Today smart phones are the basic need of the user today, these smart phones, providing lots of features which make our life so simple and easier. This paper is focused with the safety of children. Today child safety is an important issue across the world as child crime is rapidly growing across the world in this paper we have discussed how a smart phone provides safety and monitoring for the parents so that they can easily track their children according to their requirement. This proposed application is developed on android platform for this application the basic techniques required mentioned below: (a) Geo Fencing (b) GPS (Global Positioning System) (c) SMS (Short Messaging Service).

1.2 OBJECTIVE

Recently, all over the world, crime against children is increasing at higher rates and it is high time to offer a safety support system for the children going to schools. This paper focuses on implementing a child tracking system for every child attending school. However the existing systems are not powerful enough to prevent the crime against children since these systems give information about their child safety to parents

1.3 LIMITATION

We emphatically accept this proposed model is the best answer for a parent for their kid security, however every innovation has its impediments along these lines, there are a few constraints in our proposed framework which are recorded underneath: (1) It is fundamental that the youngster is proficient to work android advanced cell which implies this application is helpful for a specific age gathering of the kid. (2) It is the fundamental parent just as kid both having advanced mobile phones and ready to work it. (3) This framework relies on the GPS usefulness consequently, its working totally rely on the cell organization, and it won't work impeccably if the cell net- work is inadequately or not accessible. All things considered, the application neglects to give the specific area. Be that as it may, the application stores the last area which can be put away in the data set worker.

II. LITERATURE REVIEW

Real Time Vehicle Tracking System uses GSM and GPS Technology- An Anti-theft Tracking System: Kunal Maurya 1, Mandeep Singh 2, Neetu Jain 3 1,3 Department of Electronics, 1,3PEC University of Technology Chandigarh- 160012, India: [1]

A car tracking system is an electrical device installed in a car to enable us to do this the owner or third party to track the location of the vehicle. This paper is designed to design a car a tracking system that operates using GPS and GSM technology, which can be very cheap a vehicle tracking source and will serve as an anti-crime program. It is an embedded program used to track and locate any vehicle using the Global Positioning System (GPS) and Global system for mobile communication (GSM). This project will continue monitor a moving vehicle and report vehicle condition where required. By doing so The AT89C51 microcontroller is connected seamlessly to the GSM Modem and GPS Receiver. The GSM modem is used to send the location (Latitude and Longitude) of a vehicle from remote location. The GPS modem will provide continuous data i.e. latitude and longitude indicating the location of the vehicle. The same data is sent to the mobile phone on the other side where the location of the vehicle is sought. When a user request is sent to number on the GSM modem, the system automatically sends a recovery response to that cell phone which shows the location of the car in terms of latitude and length in real time.

Child Safety Tracking System Using GPS, Geo Fencing Android Application: An Analysis.2016 Second International Conference on Computational Intelligence Communication Technology: [2]

Today, technology is growing rapidly and providing all that is needed and useful solutions to all needs. Now the safety of the child of the day is an important area of concern. This model is designed to address parents' concerns about their children's safety. In this case, our System ensures high security and ensures live tracking of their children because parental concerns are real. This paper proposes a child safety model with smart phones offer the option to track the location of their children

once and for all emergency department is able to send an instant message with its current location via Short Message services. This proposed system is verified by testing in the Android arena. Today smart phones are a basic requirement of the user today, these smart phones, which provide lots features that make our lives easier and simpler. This paper focuses on security of children. Today child safety is an important issue worldwide as child crime is on the rise growing around the world in this paper we have discussed how the smart phone provides security and monitoring parents so that they can easily track their children according to them requirement.

Child Tracking Device - International Journal of Engineering Research Technology(IJERT) ISSN: 22780181 Published by, RTICCT - 2018 Conference Procedures: [3]

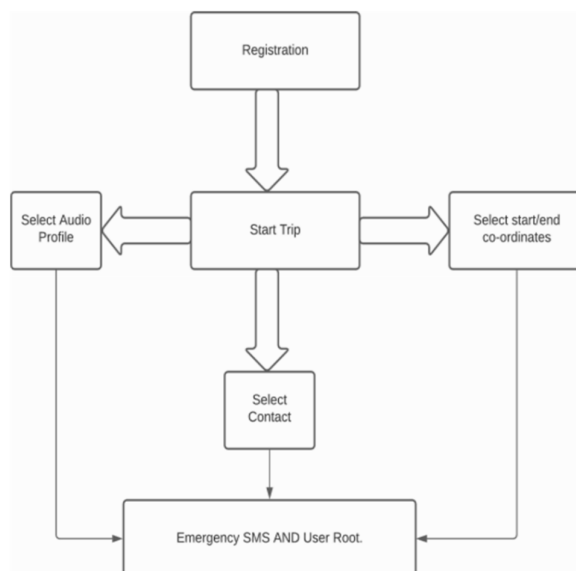
This device does not require any advanced technology and is easy to use. Both educated and uneducated people can use this device effectively. The main purpose of this a device to track a child's location in an easy way. The child can also send a warning message and their place to their parents. Existing devices use Bluetooth as well Wi-Fi connection. Since these two technologies cover only a short distance, I remote communication is not possible. This device uses SMS technology to overcome this problem. Knowing the latitude and length of the child location parents do not need to send any specific code to the device. If they see press the button they can receive SMS. There are two ways to warn parents too neighbours if a child feels insecure. A warning message is sent to parents or guardian mobile via SMS and buzzer active. Indicates that the child is at risk of by passing. The aim of this project is to improve the Global Positioning system. The GPS system can be used for a variety of purposes. GPS is a satellite navigation system too a position that can provide location and information about time around the world without dependence on time and weather. GPS operates under Departmental control of Defence (DoD) with a control centre in the United States.

Child Protection and Tracking System Using Bluetooth and GPS Technology. 2017 IEEE International Conference on Industrial Technology (ICIT). doi: 10.1109 / icit.2017.7915542 2019 IEEE International Conference on Management System, Computing and Engineering (ICCSCE), 29 Nov. – 1 Dec. 2019, Penang, Malaysia: [4]

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III. PROPOSED SYSTEM

3.1 ARCHITECHTURE:

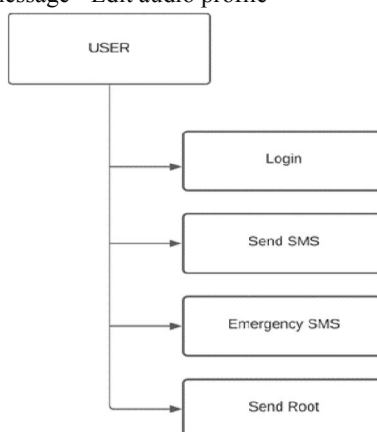


In the Parent' Eye we are able to track the route of the person by that he has passed. This route can even be sent to a different person once the huntsman has reached the tip location. At the beginning of the trip there'll be notification given to the user and at the end of the trip additionally the notification are sent to the user. Thus, at the start of the trip we've to pick out the end location and choose the contact so he/she can track our route and see from which route we have passed. We can me- chemically amendment the audio profiles of the phone. After we begin the trip we'll opt for the audio profile which will be modified when we reach the location. We've used the SMS (short message service) server to send the messages or the notifications associate degree other to a different person. We've designed an alarm with the assistance of the voice recognition feature this feature acknowledges the emergency words and at that point the alarm of another user's phone will start automatically till he/she reads the message. A number of the words which will be recognized by the voice recognition feature once the person is in emergency: 1) Help 2) Accident 3) Emergency 4) Important 5) Urgent.

3.2 PROJECT IMPLEMENTATION:

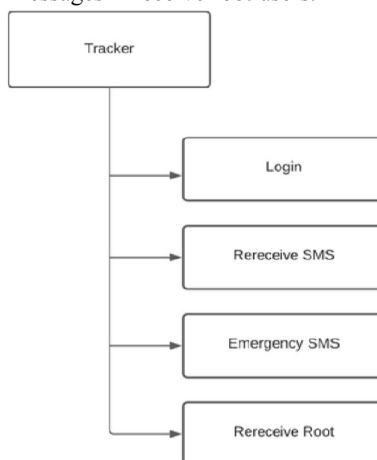
A. Module 1 (User Module)

The user is the route followed by the tracker. When the user arrives at this location, their audio profile will also be changed automatically. Login · Send root · Send message · Edit audio profile



B. Module 2 (Tracker Module)

A tracker is needed to check the user's path. When the user encounters an emergency or needs help, the tracker alert is automatically triggered · Log in · Receive messages · Receive root users.



IV. SYSTEM SPECIFICATIONS

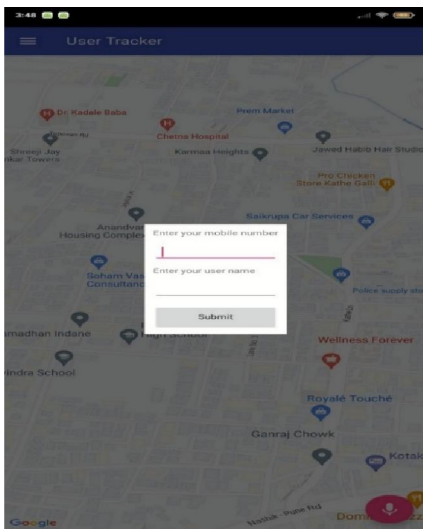
4.1 Hardware Requirements

- System - Android Phone
- RAM – 4 GB
- Hard Disk - 1 GB

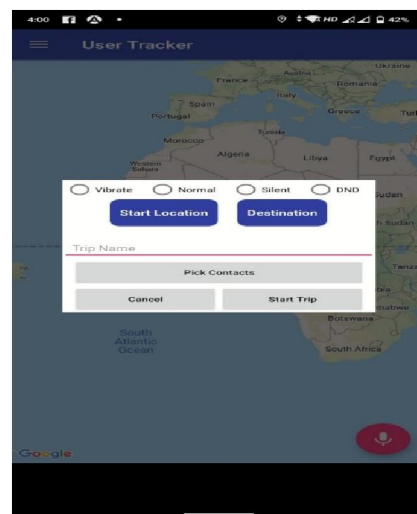
4.2 Software Requirements

- Operating System: Windows7/10, Linux.
- Languages Used: Java 7, XML 1.1
- Platform: Android Studio 3.2

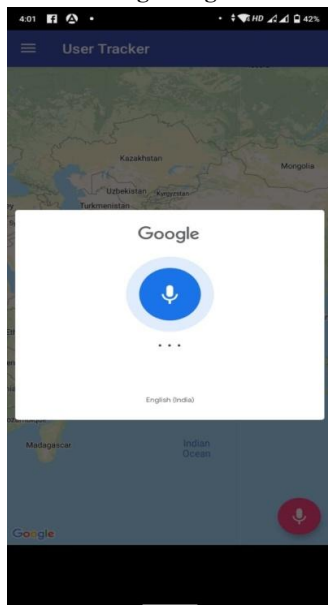
V. RESULTS



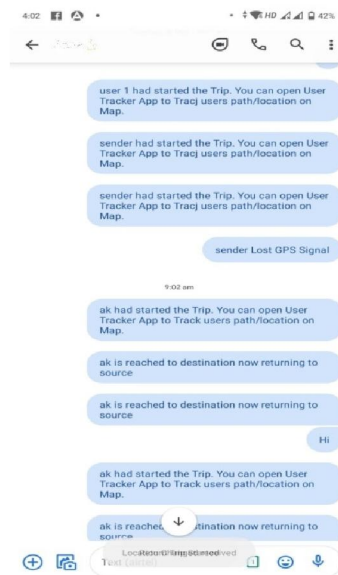
Login Page



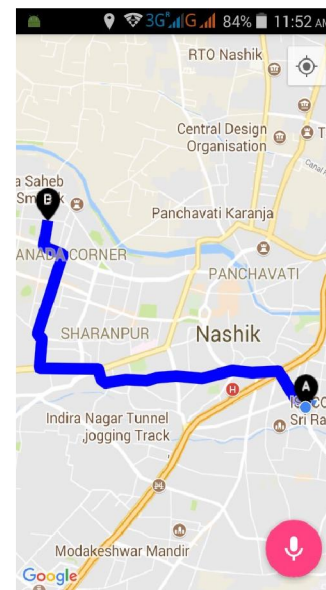
Trip Starting Page



Emergency Message



User SMS



Root of User

VII. CONCLUSION

It has been a great pleasure for me to work on this exciting and challenging project. This project proved good for me as it provided practical knowledge of JAVA and ANDROID applications. It also provides knowledge about the latest technology used in developing web enabled application and client server technology that will be great demand in future. This will provide better Opportunities and guidance in future in developing projects independently. This application is intended for locating missing children. associates diagrammatic during this paper takes the benefits of sensible phones that offers made options like Google maps, GPS, SMS and so forth a number of the simplest works enforced in past depends on SMS based mostly following which isn't useful to urge an correct location in our projected system we've got provided real time tracking. We tend to have additional Geo-fencing and Emergency electronic messaging services to boost the system.

REFERENCES

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