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Ambulance tracking system with global system for mobile and global positioning system

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Abstract-- *Normally ambulance is a vehicle concept that is made helps to suffering people who faces health situations. Ambulance is used to move patients fastly at critical care in case of emergency situations Generally,IOTplays a vital role in figure students and researchers one in every of the main application is of iot is ambulance trailing system it consists of GPS , antenna and GSM module and atmega microcontroller . during this user location is locate out by the GPS system this platform supports innovation in trendy technology The system projected within the current work combines GPS and GSM services for trailing the situation and position of the vehicles for secured functions. The GPS satellite is accountable forgetting the coordinates of the vehicle. The Vehicle chase System offered by United States of America is GPS primarily based and is most typically used transportation service suppliers for fleet management.VTS conjointly finds application in client application as a felony interference & retrieval device. IN case of felony, police will simply trace the taken vehicle's location by merely following the GPS path that is shown on-line by a chase system. im a vehicle chase system uses automatic vehicle location of individual vehicles together with the computer code that helps in collection the fleet information for a comprehensive image of the placement of a vehicle.*

KEYWORDS-- *Ambulance tracking system with global system for mobile and global positioning system*

I INTRODUCTION

India has involved in various fields within the past few years and also the facility isn't associate degree exception from that. Various applications and systems are projected and area unit still in research . India is the second largest population and makes it the foremost dangerous GPS enabled system with all protection systems. Various applications build use of this GPS services to form our navigation lighter and safe. The perfect location of a user or a transports known employing a GPS system and it's the prime responsibility that this info is secured and guarded all told the potential ways in which [1-3]. During this paper, we've got projected a system of securing the vehicle by victimization application that locates the vehicle on a map and conjointly helps the user navigate.

This technique is developed keeping in mind, the difficulty of finding one's vehicle once lost. Once the ambulance arrives to the location of the patient the ambulance location is check which by using GPS we can find out the position of ambulance . The user with the exception of booking the close automobile they will see all the hospitals, clinics and medical stores situated in an exceedingly explicit space [4-5]. The VTS offered by United States of America is victimisation international Positioning System (GPS) technology to find the vehicle. Along with the device, specialised computer code is provided by United States of America that alters the user to look at vehicle info on electronic maps via Internet [6-7]. Urban transit authorities significantly in giant cities square measure

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among the highest. Generally, when we are in the uncover age network at that our vehicle is caught by theft so we can create a personal ad-hoc networking with in the BSS .so we can find out the position of ambulance tracking is very easily. Normally, using of FGP module in global positioning system identification of tracking an ambulance or other vehicle can be identified. By using of audio Uno microcontroller helps in vehicle chase system normally, Arduino Uno major microcontroller using recent trends technology it consists of 32 byte size capable of storing the large information this total system can be operated in a resembled manner. The ambulance tracking system is shown in figure. 1.

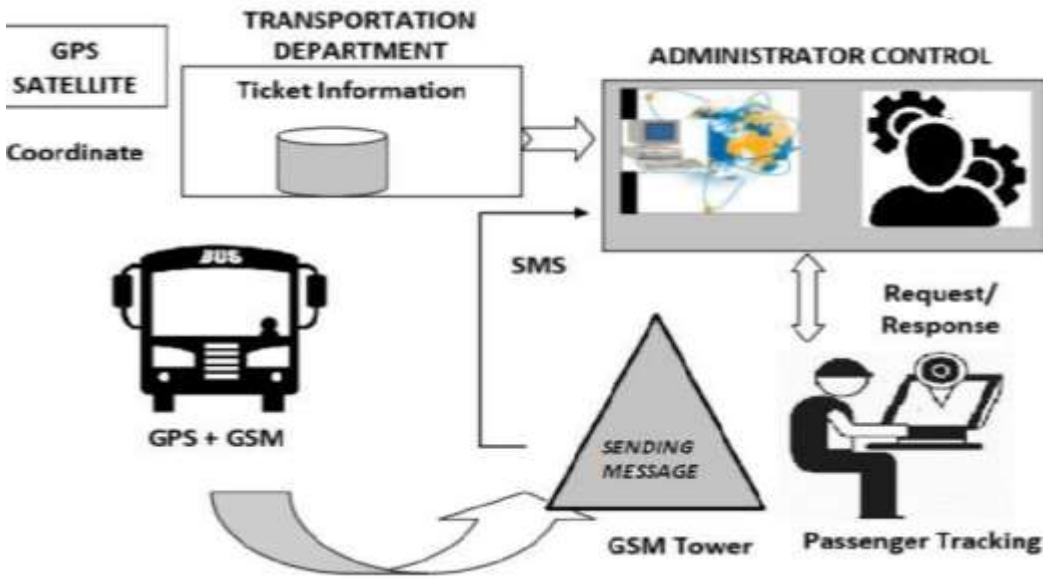

Figure 1: Ambulance tracking system

II METHODOLOGY

When a theft is identified by vehicle he so at that time using of FGP module it can generates a signal and that shifted to receiver and find out the location of the ambulance or other vehicles. Researchwork deals with optimizing the coverage areas as it playsa vital role in locating the exact status of a vehicle.one of the microcontroller that helps in vehicle tracking system audino Uno These ambulances that are fitted with the GPS will gather the location information from the satellites and send it continuously to the remote server with the help of GPRS enabled device. This data can also be given to the persons at the destinations so that they can see and guide the driver accordingly this entire vehicle GPS data will be sent to an off-site server instantly where it can be viewed by hospital management through their mobile phones or hospital computers. And it can also be programmed to alert hospital management if for some reason an ambulance leaves a safe zone or is driving at excessive rates of speed when there is no emergency. Block diagram of the ambulance tracking system is shown in figure. 2.

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Microcontroller communicates with LCD it also send to through GSM module. The main application for the GPS involves mapping, tracking surveillance. The GPS module calculates the position of any user, by recognizing the signals that are transmitted by the satellites mode. Hardware of Arduino system is shown in figure. 3.

Figure 2: Block diagram of the ambulance tracking system

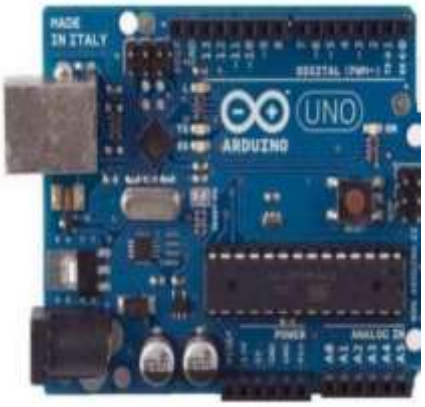

Figure 3: Hardware of Arduino system

III CONCLUSION

Take some safety rules when we travel from one place to another. Use highly efficiency modules in GPS system operate the vehicles in same manner and in compliance with all applicable laws not to exceed with provided speed

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limit and vehicles are supported with made up of antenna so this platform supports in innovation for modern technology.

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