Abstract

Smartphone’s are existence utilize for various ranges of vigorous activities including social media, messaging, a chart, context directorate in addition for location applications. Emergency never comes with prior information. In real world case such emergencies and reporting them is a real challenge. This paper contains the existing systems detail survey and proposed system to overcome common problem of having manual intervention while reporting emergency. We are proposing the new idea for emergency detection and reporting. This system will record and report emergency in real time. Reporting of emergency comes with two ways either the person at emergency situation can report directly by Smartphone with nearest emergency facility or by reporting and response team comes with emergency facility like medical, fire, police. It works in three steps as detection of emergency with current location, user data collection and processing and reporting to web application. This is the client-server GIS and Smartphone application for the person at emergency situation. the person at emergency select the emergency service such as in client application medical, fire, police, then it detect the user current location along with
information name of the person and contact number(person’s identity) for providing service then register, after registering their will be two options either the person at emergency select its own nearest service such as for medical nearest hospitals to provide medical facility, in case of fire nearest fire stations and police in criminal, illegal activity etc and second way after registering details information will placed onto server database so that rescue team will get information and provide appropriate services to the person. This proposed work, we will record all emergency details of rescued person with location onto maps, GIS will provide detection of emergency person coordinates (latitude and longitude) tracked by GPS and also provide plotting coordinates onto maps in the web application. Current project also Tracks location of person and sharing it with helping message to its family members, friends or any by selecting contact number from Smartphone and share via SMS or any social applications like face book, email, whatsapp so that front person understand person is in emergency and they will help them.

References

12. Kumar, S.; Qadeer, M.A.; Gupta, A., "Location based services using android (LBSOIID)," in Internet Multimedia Services Architecture and Applications (IMSAA), 2009 IEEE International
Cross-platform Smartphone Emergency Reporting Application in Urban Areas using GIS Location based and Google Web Services


15. Google places API Web Services


21. Calculate distance, bearing and more between Latitude/Longitude points.


Index Terms

Computer Science Information Sciences

Keywords

Phonegap, Google Maps API, GIS, LBS, Google Maps, Emergency Reporting, GPS