

Emergency Area Locator System



Engineering

KEYWORDS : Android, Location based service Environment, Police, Health services, Fire Fighters, Messages, RSS

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ABSTRACT

In this paper, we propose the use Location Based Service model for of the implementation of Location Based Service environment to minimize the problems faced by Police, Health services and Fire Fighters in retrieving accurate information. The time taken and the accuracy of information are the obstacles normally faced by Police and Fire Fighters in case of an Emergency. It is vital for them to get the right information at the right time to their Android mobile phones. We propose the use of RSS as the web services like feeds for the smart phone application. Updates on crimes or emergency cases within the users' locations are sent upon users' retrieval or push based on the users' locations. The conceptual design and architecture are designed for Pull and Push Location Based Services.

I. INTRODUCTION:

We propose to provide the exact information at right place in real time with personalized setup and location sensitiveness by using the model of location based services(LBS). A Location Based Service (LBS) is an information and entertainment service, accessible with mobile devices through the mobile network and utilizing the ability to make use of geographical position of the mobile device. A LBS services can be used in a variety of contexts, such as health, work, personal life, etc, we intend to use it in cases of emergencies like accident, fire and health. LBS include services to identify the location of a person or object. The server will help to maintain data records using a database.

II. SCOPE AND NEED FOR SYSTEM:

LBS is currently usable discovering the nearest banking cash machine or to know about a friend or employee nearer to us. LBS services include parcel tracking and vehicle tracking services. It can be improved in many dimensions. As stated in proposed system's scope it can be used in various fields such as it can be implemented on mobile phones in health services, police department, fire fighting departments and many more.

III. WORKING OF PROJECT:

There are many researches and work that has been done in the field of Location Based Android Mobile Application.

The LBS service categories are stated below:

A. Pull Location Based Service

The pull Location Based Architecture need or desire triggers for the request of Location Based Advertising and considered as favorable attitudes toward the marketer.

B. Push Location Based Service

Push location based service is understood if the user in certain location is pushed the information related to their location currently. Push technology is playing a more and more important role in the mobile scenario as it allows new appealing services which foresee useful information to mobile users such like weather forecasts, traffic news, and sports news.

C. RSS Feeds

RSS Rich Site Summary (originally RDF Site Summary, often dubbed Really Simple Syndication) is a family of web feed formats used to publish frequently updated works—such as blog entries, news headlines, audio, and video—in a standardized format. RSS allows users to avoid manually inspecting all of the websites they are interested in, and instead subscribe to websites such that all new content is pushed onto their browsers when it becomes available..

SYSTEM IMPLEMENTATION:

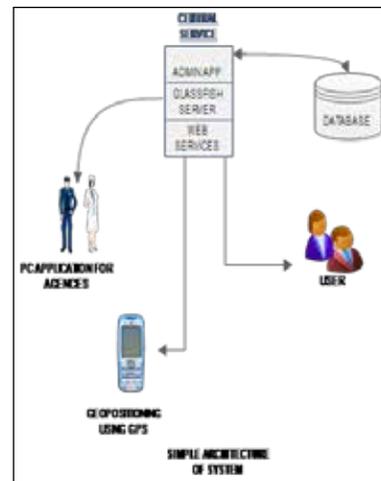


Fig. : System for Emergency Area Locator System

V. SYSTEM FEATURE:

- System provides quick updates to its users by using web feed format such as RSS.
- And user can retrieve information whenever required
- Technology independent
- User has to follow few simple steps to report an emergency. Quick updates

VI. PROJECT SCOPE:

System can be used by all kinds users to report emergency through Android mobile phone or Personal Computer. It can be used by emergency departments like Police department, Fire fighters and Health services such as ambulance for providing assistance.

VII. CONCLUSION:

As in given system specification, we have implemented most of functionalities of proposed emergency area locator and it helps for constructing the automatic emergency calling system which will work without human intervention. It optimizes the total work flow of handling the emergency cases. It is useful for the android user when they are traveling by road. It guarantees about informing the correct location of the user to the helper when the emergency help is needed.

VIII. ACKNOWLEDGEMENT:

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