An Event Driven Campus Navigation System On Android Platform

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ABSTRACT

This paper presents the event based campus navigation system that we are build an android application which helps to candidates/persons to navigate to an event which is being organized in a campus. This application is developed for all the colleges to enter their event details or college workshops or gatherings dates, timings and fees so that it can be viewable to all the students of different colleges and becomes an easy way to participate through this application. There is no such system to inform all existing as well as outside students, teachers and staff to inform about any event very quickly with its proper place, which may start few minutes or few hours later and the structure of fees. As a result there is a high opportunity to miss any valuable event. To reduce this pain inside a university campus, a very user friendly Google map based Event-driven campus navigation system on android platform has been designed, implemented and tested successfully in this work. This application provides route guide for users from his/her own location to desired location and event updates with its proper place

Keyword: *Digital Campus, GPS, Geographical Information System, Human-Centered Computing, Location-Based services, Navigation, Information system.*

1. INTRODUCTION

In event based campus navigation system we are actually trying to build a system which helps us to navigate to an event which is being organized in a campus. This system works on a principle basis on android platform and virtual cloud computing. An event based campus navigation system also works on an idea of using web panel. The user in such a system can register for the event online basis. The registered users get the notifiation related to the event. Once they get the registration details they can take the decision and the system will help them to navigate to the system. The system works with a lot of accuracy and helps users to reach the exact location. Information events are held throughout the year and are a great way to find out where our favorite will be conducted in which college and peoples can participate and we are also provide facility by mobile application .we are developing web site for college admin and system admin and also application for mobile user. Mobile phones are now a day's far more than merely communication devices. In this college can also show his event list to student. we are implementing three user Admin, System and mobile client .and we are use java techchnology and android.

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2. SYSTEM DESCRIPTION

The following figure shows the system architecture of An Event Driven Campus Navigation System On Android Platform. The proposed event based campus navigation guidance and updated event information alert system will work on GPS based android mobile. We have to implement the system for campus of college which is a large place. As GPS works very accurately in large range so we have chosen GPS technology for location tracking. It can be used by existing college students, faculty members, and sta_ and also by parents, visitors. Google Map API v2 has been taken as a template to show campus map. Map option is provided to see event details on map. It is easy for user to access Google map than other navigation system. We can zoom out and zoom in the map. Admin can update event list and details on Admin panel. User can see all event details updated by admin. User can also see the location of event from user current location on GMAP.
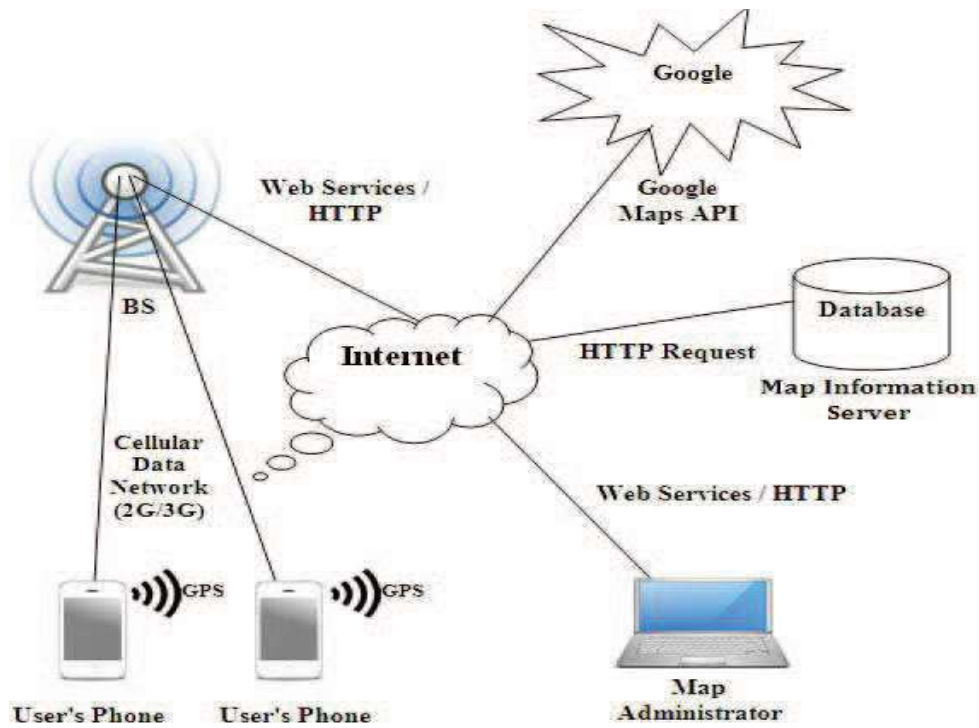
Fig-1 System Architecture

3. OVERVIEW OF SYSTEM

Following use-case diagram shows the overview of the An Event Driven Campus Navigation System On Android Platform.
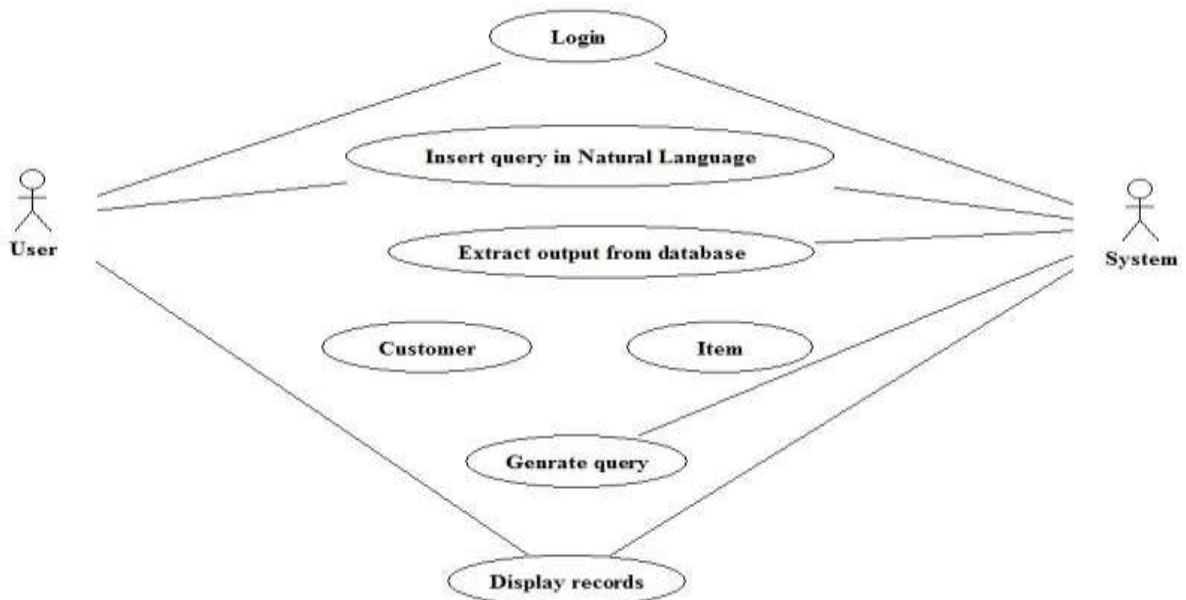

Fig-2 Use case Diagram

4. CONCLUSIONS

The Event based campus navigation system is very dynamic and useful system in today's environment. As the world is becoming more and more smart, this system makes our lives smart in an unknown environment. This system really helps the user to track the event register for the event register for the event and get real-time update of the event. This system is going to be very useful in big campuses which would help users to focus on actual event.

5. ACKNOWLEDGEMENT

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