Real Time News Reporting Using MOBICLOUD

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Abstract— **In day to day life as we wake up we unobservantly need newspaper. Our day starts with a newspaper. News channels are also expanding day by day. Hundreds of news channel are being broadcasted today in each language. We want to be aware of what is happening in our social community and the only way being is the news channel or papers. In India Media has been given a very higher place by calling it as fourth pillar of our constitution. The main source of news being the news channel, we don't get news in our locality as the news channels provide news in different categories .There is very less scope that they can tell us the news which we are interested in. And most importantly we can't carry our television sets everywhere.**

These disadvantages can be overcome by having a system which will make news available to the user on-the-go and to the point and location specified by the user. And looking at the current scenario it seems that to provide a user such a system the best platform raises to be the mobile, and even in the mobile category raises the android as the best choice. More and more users are switching to the android platform day by day. As per a statistical survey, more than 30 percent users India use smartphones.

Hence we decided to build a system which can totally be controlled by a mobile phone and can be handled from anywhere. This improves the efficiency of the system. This system consists of user application, administrator application and reporter application. Reporter application reports the news. This is followed with sending of GPS coordinates with the news. This info is sent to the server which stores it in the database. This news is filtered by the admin for any repeated news or any sort of unnecessary news. And this filtered news can be shown to the user. The user gets the option to see the news from different categories and specific locations. This ease out the system as the admin is also movable. And hence will prove to be very pro table to the user.

Index Terms—**About four key words or phrases in alphabetical order, separated by commas.**

I. INTRODUCTION

The News reporting has been done from ages. In ancient times the reporters used to go to the person whom the news is supposed to be reported. There were no vehicles as of today. They had to travel a long path to do their duty responsibly.

But as time progressed the news reporting system, its methodology of doing reporting and the readers also changed. Hence fourth the whole system of reporting also changed.

Then came the time when the news reached the readers through newspapers. Continuing the changes there came a time when news got beyond the textual format and took the video path through the televisions. This was the most widely used medium after newspaper till before the era of internet rooted its foot. And now we have internet, smartphones and tablets to access the news online. This is the fastest growing medium for news reporting since reporting started.

II. PROBLEM DEFINITION

To develop applications to support the News reporting system using GPS enabled Android mobile.Our applications help the admin to administrate the system remotely,help the report report news without showing his physical presence and most importantly will enable user to get all the news content on his mobiledevice.

III. CURRENT SYSTEM

News reporting is currently done in following ways:

1 .News papers
2. News channels
3 .News on internet

Newspapers:

In this method, the reporter reports the news by visiting the location and then comes to the news reporting office. The news he has taken is then checked by the editor and then passed to the printing press.

Advantages:

1. We get whole content in our hand at the same time, so the news remains in our hands and we can read it any time we want.
2. We can get newspapers related to our city and can get news related to our area of interest.
3. The news can be stored with us for whatever time frame we need to.

Disadvantages:

1. The wastage of resources like papers.
2. The manpower being employed cannot be efficiently used in this scenario.
3. Whole news in the newspaper does not get equal attention, so chances of missing an important news are more in this case.
4. Can be easily influenced by the politicians.

News channels:

This method is currently most popular method of news reporting picking up the advantages of people being very busy these days. The news is shot in a camera and then taken to the office/studio where the news is refined and then reported on television.

Advantages:

1. The news can be reported live.
2. Users can get visual of the news, hence increasing the interest in the news.
3. Different categories of the news channels exist, which make the user available all the stuff he is interested in.

Disadvantages:

1. Television cannot be carried everywhere, so can't help frequently travelling people.
2. The news can be very easily influenced by the political influence as the reporters are easily exposed through news channels.
3. Requires high cost as the cable is needed in order to view variety of channels.

News on internet:

This method is also gaining popularity as this decade seems to be very much dedicated to the internet. The news content is taken by the reporter and taken to the admin of the site which publishes the news.The admin then put the news on the website.

Advantages:

1. The news can be viewed according to our choice of interest as these websites generally do show news in categories.
2. The news is shown with pictures which makes the user very easily recognize the news of his interest.
3. The reporter, the admin and the whole people remain hidden so the chances of news being manipulated are very less.

Disadvantages:

1. The news is not readily available everywhere as we cannot carry the desktop everywhere.
2. It requires a good internet facility.
3. All news do not get equal attention as some news are highlighted on the website.
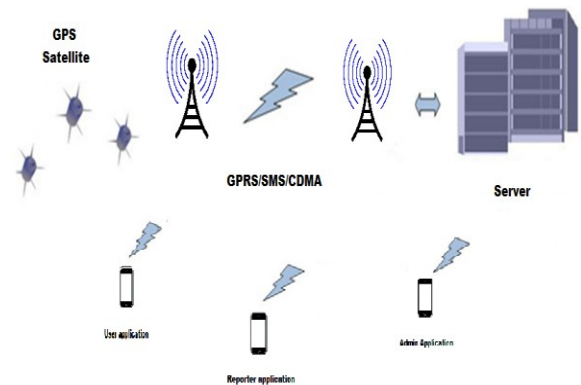
IV. OUR SYSTEM

Figure 1: Architecture

Our system takes the advantages of all the above systems. Our system consists of mobile applications for admin, reporter and user. The reporter is going to report the news using his application after his login, which is going to be saved in the database created for the reporter. The admin is going to login and then the admin sorts and filters the reported news. And then moves the reported news to the user database.

This is then accessed by the user application.

Advantages:

1. The news can be accessed from anywhere the user maybe.
2. The admin does not need to be physically present on the server to be able to publish the news.
3. The reporter can take the pictures and report the news to the server which later on can be published.
4. The user can see news of his choice as he has been provided with news categories and also can see news related to specific area.
5. Mobile phones being portable, the news is readily available in the users hand.

Disadvantage:

1. The problems with the network coverage for mobile may be the interfering factor for the continuity of the reporting news.
2. The perfection of GPS coordinates in rural area is going to effect the region based categorization of the news.

3. The cost of the data plans needed to report the news and view the news is also going to adversely affect the system.
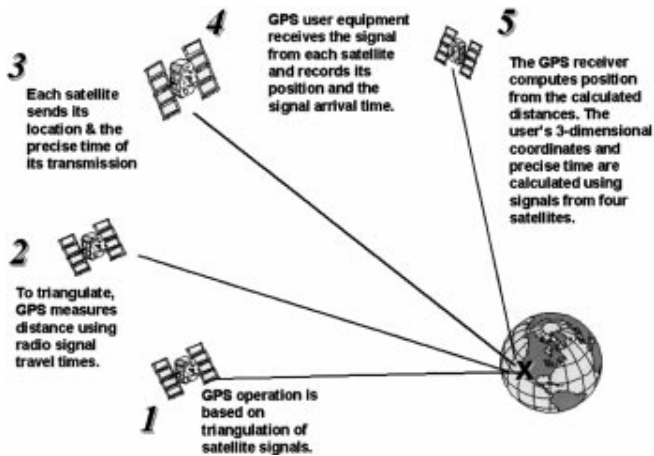
V. GPS COORDINATES CALCULATIONS

Figure 2: How GPS works

Simplistically, GPS implements a time-difference-of-arrival

concept using precise satellite position and on-board atomic

clocks to generate navigation messages that are continuously

Broadcast from each of the GPS satellites. These messages can be received and processed by users anywhere in the world to determine position and time accurate to within a few meters and a few nanoseconds, respectively (Fig. 1). Each GPS satellite on-board computer and navigation message

Generator knows its own orbital location and system time very precisely. A global network of monitor stations carefully keeps track of these parameters. Corrections are uploaded to

each satellite atleast daily by the worldwide operational control system with Master Control Station at Schriever Air Force Base, Colorado Springs, CO. The uploads include orbit position projections for each satellite in the constellation, based on sophisticated models and effective for several weeks, as well as corrections to on-board satellite clocks. System time is maintained aboard each satellite by Cesium and Rubidium atomic frequency standards. In general, these on-board clocks are accurate to within a few nanoseconds of global coordinated time (UTC) as maintained by the Master Clock at the U.S. Naval Observatory (USNO) and are individually stable to a few parts in 10 or better. Early GPS satellites contain two Cesium and two Rubidium standards each, later versions have all Rubidium standards. Only one standard is operational

aboard each satellite at any given time.

VI. CONCLUSION

In todays world everyone wants to be updated with what's happening around them. This need made us to develop a news reporting software which will be helpful for those who are always on the go. The mobile devices are growing rapidly and the android being the most sought after platform, our application will prove out to be one of the most useful one.

Our software will not only make the users access the news but also would make the reporting system remote and accessible from anywhere. The reporter will be able to report the news from anywhere. The administrator can administrate the database from anywhere and hence the total system becomes easy and efficient. And the admin will also be free from physical presence at the server.

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