An Area Based Factorization Machine Show For Web Administration Qos Forecast

K.Balasubramanian[1], R.M.Dhevasena[2], S.Karthikayani[3], G.Mangaiyarkarasi[4]

[1]Assistant Prof, Dept of Computer Science and engineering
[2, 3, 4]Dept of Computer Science and engineering
[1, 2, 3, 4] E.G.S. Pillay Engineering College (Autonomous), Nagapattinam.

Abstract- This android application is meant for passengers who are all travel through the bus. It allows admin to add the details about bus, source and destination, arrival time and notification. It provides username and password is generated and stored into the system. By using this android application installed in his android phone, when the passenger will login to the application, his GPS location will be sent and stored into database. This system is a combination of web as well as android application where the driver will be using the android application whereas admin and parent will be using web application. This application is meant for drivers who is driving the school bus. System allows admin to add a new driver where driver id and password is generated and stored into the system. The driver will have the android application installed in his android phone, when the driver will login to the application, his GPS location will be sent and stored into database. As soon as driver logs in, GPS location of the driver will be tracked automatically by the application and stores the GPS co-ordinates into database after every 5 minutes. When driver logs out from the application, again GPS location will be stored. In order to keep track the attendance of the driver, this system plays a major role. The role of the admin is to register a new student by entering his personal details with parent details where parent receives a mail which consist login id and password, so that parent can access the web interface to track their children. Admin can view bus details and also can edit and update the details.

I. INTRODUCTION

"Where my transport is "can be used to manage the data of all type of educational institutes. The bus management system is a cost effective and efficient system. The bus management systems are commonly used by fleet operators for fleet management functions such as routing, dispatch, on-board information and security. Other applications include monitoring route details, such as a driving route. The application provides appropriate information to users according to the chosen service. It will support both stand alone and also networking environment.

This system can be used as a knowledge/information management system for the college. For a given bus details can access the system to either some information from the database. This project system is being developed for a college management to maintain and facilitate easy access to information. For this the departures must be registered with the system after which they can access as well as modify data as per the permissions given to them.

Bus Management System will include the buses information, drivers' information, maintenance record and reminder. Search function are also added so that manager can search for bus information that has been stored in the databases. By using a manual form, each bus must have its own maintenance record file. Problems that occur to this manual system are to store the maintenance record file and to find it back. It takes quite a time in order to find the correct maintenance record when needed.

Maintenance is one of the crucial parts in Bus Management System. Maintenance record ensures the safety on passenger. Moreover, it can help the manager to plan necessary budget for maintenance. Maintenance record is important to ensure that the bus in a good condition, therefore a systematic maintenance record must be developed. The maintenance record is added with search function so that manager can view maintenance history. Maintenance record will also include any changed part and the budget used for doing maintenance.

II. LITERATURE SURVEY

Online Bus Tracking and Ticketing System

Due to immense development in technology, every field is making the best use of technology so why not our public bus transportation. Today's transportation system still uses the traditional ways for ticketing. Also people need to stand in queues for long hours. Therefore user needs a smart system which provides real time information of bus and gives an easy way to purchase a ticket. So we proposed a new android application which overcomes the disadvantages of the

current public transportation system. Our application will handle all the data like current location of bus, punching of bus-passes having QR code, On-time ticketing using E-wallet or cash Ticket generation with the help of Blue-tooth printing. The real time tracking of bus can be done by our proposed system and this information is then given to remote user. Technologies like QR-Code (Quick Response code), Blue-tooth printing, GPS (Global Positioning System), Cloud, E-wallet are used for development purpose. Our system provides an Android application, which gives bus pass with QR code, real time location of bus to user.

III. EXISTING PROCESS

The existing system of our public transit system has not been properly scheduled which leads to overcrowding of passengers in buses. This problem of crowding is mainly due to the unplanned bus management system. Our present Bus transport system does not account the total number of passengers in the bus stop. It deals briefly about calculating the total number of passengers in a stop and regulate the bus service accordingly using dynamic resource allocation by using android. The development fabric and development storage help in creating applications. Gossip protocol can also be inculcated while coding the application.

IV. PROPOSED METHODOLOGY

The user will have the android application installed in his android phone, when the driver will login to the application, his GPS location will be sent and stored into database. As soon as driver logs in, GPS location of the driver will be tracked automatically by the application and stores the GPS co-ordinates into database after every 5 minutes. When driver logs out from the application, again GPS location will be stored. The role of the admin is to view passenger details by entering his personal details with source and destination details through a mail which consist login id and password, so that user can access the web interface to track their bus. Admin can view bus details and also can edit and update the details. If the bus is not available on time the user gets notification from the applications.

V. ARCHITECTURE
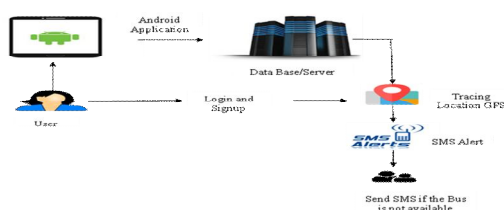
VI. IMPLEMENTATION RESULTS

Module Description:

Administration:

This module is for the bus administrator for updating the information that is there in the server when required. It includes authority to update Driver name, Driver Contact Number, Route, Stops, etc. The administrator needs to log in before editing or updating details. Only administrator is the authorized user of this module. The administrator has been given a privilege of sending text messages to bus drivers and to the students of a particular route. It won't be charged to the administrator provided that his internet connection is in enabled mode.

Driver

This module is for the bus driver. The authorized bus drivers are provided with their unique log in credentials. They need to log in and then have to start their location service before driving. The current location of the bus will be updated from driver's mobile to the server every moment in the form of latitude and longitude.

Bus Information:

This is the most important module and is the whole and soul of the system. The users of this module need to log in with their unique ID provided by the college management. They can get access to the details of all the buses of college through their phones. Here they will get all bus and driver related information offline too. Students can track the location of their bus from any location. Student and staff must make sure that their location service is active. The can also get the estimated time of arrival of bus at their respective stops. This will help them to manage their time and arrive at their stop at the proper time, neither too early nor late.

VII. CONCLUSION

The most fundamental concern post implementation review to determining whether the system has met its objective; that is analysts want to know if the performance the performance level of improved and if the system is producing the result intended. If neither is happening, one may question whether the system can be considered successful. The new system needs less manpower, provide facility for College Bus Management System. It reduces most of the manual work and this system makes more efficiency.

The conclusion reached on the basis of evidence is that to track a bus location we don't need any costly equipment and does not require any data center it can be done very easily using a simple app in very affordable manner it is beneficial for both user and client. In this project have focused on how student can easily get location by just sending a message and the response immediate. Student doesn't need to call the bus driver and ask about his current location which is very risky as it can cause accidents. On, bus driver side also it is very easy for bus Driver also because he does not need to attend many call for telling bus location as well can see his bus location using same apps as it provides Google maps in build and can drive without disturbance.

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