



SMART TRANSIT

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ABSTRACT:

The College owns a fleet of 45 buses to accommodate about 1300 students and employees for commuting to college from surrounding Towns and villages of Vetapalem and Chirala. The Management is happy to announce that they have been providing free transport facility to the employees since the inception of the college.

'Smart Transit' is an integrated electronic management system that designed on 'android' platform which ensure that the management process of buses is carried in the fingertips of the admin. The passengers can easily select bus route number and their stop from the list of bus route numbers and know where the bus is and how long will it take to reach their stop. They can also know the exact location of the bus on the Google Map which gives them a Better idea on the whereabouts of the bus.

The list of bus routes and their corresponding stops can be managed using the database which gives the admin a better hold on the application. This application helps the students and staff to track their buses and also college authorities to manage efficiently.

INTRODUCTION

"SMART TRANSIT" is an android app which gives the information about college buses details and bus fee from destination to college.

Here we provide a different menus that consists of a various fields like buses list here we can easily check how many buses from college to various cities and towns, and Bus fee here we mention all the details of bus fee and students can easily track the bus by using this App , here

we can utilize GPS to track the buses. At the same way drivers can use this app to give the information to students using SMART TRANSIT, Driver must login and start tracking. when driver starts tracking students can verify the status of buses using mobile. SMART TRANSIT consists of Between stations menu, there we can easily find the areas between college to destination and traveling bus menu gives the details of the buses using source and destination addresses. Favorite menu will display all favorite buses of use

FEATURES:

- It is a time saving process.
- We can easily find the way of bus by using GPS bus tracking.
- We can find the whole information about college buses.
- When we enter the source and destination we will get the stations between them along with time.

RELATED WORK:

The main theme of this Smart Transit is to know the whole information about our college buses. If the student wants to travel in college buses they can know the details of college buses by using this Smart Transit. We can also find the route map by using the GPS tracking by entering bus numbers.

EXISTING SYSTEM:

Previously the students want to know the information about bus details they came to college and contact to the in charge of the buses, to overcome this we can proposed a new system that is called Smart Transit. By using this we can directly check the information of the bus details in Smart Transit.

DISADVANTAGES:

- It takes more time to go to college and know the information about buses.
- Here we cannot know the particular location of the bus.

PROPOSED SYSTEM:

The Smart Transit application is used to know the information of buses in easy manner, it is in our hands we can click the application directly know the details of Bus List, Buses Between Stations, Travelling Bus details, Bus Fee details.

Here, in this application we can also find the exact location of the bus by using GPS. It also displays the Between Stations along with timings.

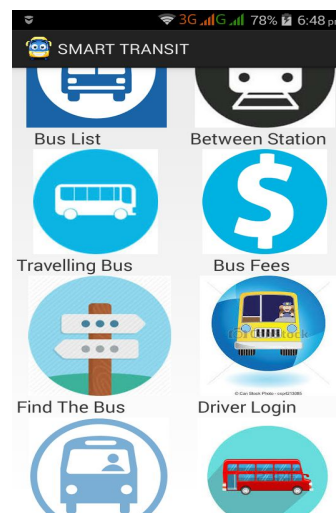
ADVANTAGES:

- It is a time saving process.
- Student directly gets the Bus information through this application.
- We can directly know exact location of the bus by using GPS.

PROCEDURE:

1. In Smart Transit application:
 - a) List of Buses
 - b) Buses between stations
 - c) Travelling Buses
 - d) Bus Fee Details
 - e) Find the Bus
 - f) Driver Login
 - g) Manage Favorites
2. Driver need to Login to start tracking.
3. Students have to enter the bus number to display the route map.
4. To find between areas have to enter from and to station.
5. To find the Bus numbers to travel have to enter from and to station.
6. To get the details of Bus fee have to go through the Bus Fee Details.

SYSTEM ARCHITECTURE:



FUTURE ENHANCEMENT:

There is a lot of scope to enhance and developed the application with the more extension in future because this app can give many benefits for the student who is seeing and the college must appreciate the student to develop this type of SMART TRANSIT. In future live notifications are updated. In future technology we have to update the GPS tracking. So students can find the more details of the buses in future.

CONCLUSION:

Smart Transit will be useful for the student as well as drivers who won't have sufficient time to go to college and find the details of transport and it was designed with all possible features which will make administration process easier. We have provided an easy interface to meet all the details of buses Students can directly download the Smart Transit and can see the many details they provide us.

REFERENCES:

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- www.Androidtools.com
- www.sqlite.com
- www.freehosting.com