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Android Based Nagpur Metro Route Navigator

Chanchal Pandit , Sayali LohaKare, Alfiya Sheikh, Riya Thakur

Department of Computer Science and Engineering, Anjuman College of Engineering and Technology, Nagpur,
Maharashtra, India

ABSTRACT

Android based Nagpur metro route navigator is an integrated service which provide all information about the transplantation in the city. This application is mainly focuses on the Metro rail transportation. In addition, this application will provide more information about another transportation media such as Bus stand, Auto stand, Metro station, Airport and railway station. The proposed system is an Android based application which provides information regarding timing, routes, interchanges, fair of Nagpur metro rail. This application will provide more facilities to the users that is, distance and location of Bus stand, Auto stand, Metro station, Airport and railway station from the current location of user. There is also an admin module where admin can add stations, trains, routes and update the fairs. The admin is a panel consisting of a group of authorized persons.

Keywords : Transport, Metro, Bus-stop, Airport

I. INTRODUCTION

This is an Android based application which will provide information about transportation in the Nagpur City. This application will help the users to get the information about metro rail timetable, stations, routes, interchanges and travelling cost and also helps the users to get the information about another transportation media, this app also show the location of nearest Bus stop, Auto Stand, Metro station, Railway station and Airport from the current location of user.

A person with just an internet can get this all information. Other than that by entering the destination station the user can get all sort of information about trains arriving and departing from the stations, it's fair details and even it provides you the route map.

There is also an admin module where admin can add stations, trains, routes and update the fairs. The admin is a panel consisting of a group of authorized persons.

II. METHODS AND MATERIAL

Following are Based on Metro management:

➤ Nagpur metro TechN Labs

This application is providing services such as Route, Book cab, Metro locator, The smallest route to reach the destination from metro stations, timings of metros in Nagpur.

➤ Nagpur Metro effective App Developer

This application is providing services such as Metro Route Map, Metro stations, Metro Fare-calculation, Metro-parking.

Nagpur Metro techno star

This application only providing information such about Metro Map, Corridor-Stations, Nearest Station, Station is Nagpur, etc.

➤ Delhi metro

Delhi Metro App is only showing the nearest metro Routes from current location of user, but this Application is not only showing the nearest station but also All nearest routes like auto stand, bus stand, Airports, railway stations etc. from the current location of user to its destination. It is an offline application, which once installed, provides all the information of **Delhi Metro** and much more. Information of all the lines, individual stations, first train timings, feeder bus service information, exit gates information, parking, lift, elevator facilities information etc. The **Metro** operates on an automated ticketing system. Tickets (which are cards or tokens) can be purchased from **ticket** counters at stations.

III. RESULTS AND DISCUSSION

Android based Nagpur Metro Route navigator is an application will help the user to get the all information about metro rail transportation. The system will help the user to know the nearby Bus stops, Railway station, Auto stands, Airport, Metro station from the current location of the user. The proposed system is designed to helps the user. By using this application, the users can get metro timetable. Other than that, by entering the source station and destination station the users can get all sorts of information about trains arriving and departing from the stations, it's fair details and even it provides you the route map.

The proposed system is designed to eliminate the disadvantages of the existing system. The proposed

system "Android based Nagpur Metro route navigator" is mentioned for tracing the problems in the existing system.

This application includes the following five modules:

Module 1: Transportation media module

This is the module in which we get to know the distance of the nearby airport, railway station, bus stop, auto stand and metro rail from the current area the person is present.

Module 2: Metro time table module

This Module contains facilities like view time chart between two stations.

Module 3: Fair and Route Module

This module contains various facilities like display fair and display route map

Module 4: Admin Module

This module contains facilities like view & reply to complaints, issue smart card, add stations, add train, add route, add & update fair details, add trip and add admin

Module 5: User Module

In this module the user interaction is involved .The user will login into the application and enter the source and detestation to get the desired information.

The objectives of the project are as follows:

- The user can search for the nearby transportation media such as Metro station, Bus stops, Railway station, Auto stands, and Airport.
- User can view metro timetable.
- User can also view the fair details and the route maps.
- User can find tourist location.

- An admin login page where admin can add stations, trains, routes.
- Admins are authorized persons who can add new admin.

IV. CONCLUSION

As the project entitled Android based Nagpur Metro route Navigator was completed successfully. The system has been developed with much care and free of errors and the same time it is efficient and less time consuming. The purpose of this project was to develop a web application for metro rail management. This project helped us in gaining valuable information and practical knowledge on several topics like designing web pages using HTML & CSS, usage of responsive templates, designing of android applications, and management of database using MySQL. The entire system is secured. Also, the project helped us understanding about the development phases of a project and software development life cycle. We learned how to test different features of a project. This project has given us great satisfaction in having designed an application which can be implemented to any nearby shops or branded shops selling various kinds of products by simple modifications. There is a scope for further development in our project to a great extent. A number of features can be added to the system in future like watch me module, each admin having separate permissions.

V. REFERENCES

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