

BUS TRANSPORT MANAGEMENT SYSTEM

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Abstract - Bus Transport Management System project is developed for making present system of bus transportation paperless and more digitalized. This will make easy of business due to user friendly and easy to use system. Utilization of this system will increase the productivity. The main moto of this is to provide transport service to consigner and consignee. As due to computerization billing, summarized payment, creating report etc. will be permanently stored and will be easily available whenever need in future. Consequently this will also decrease the work load in the office resulting in having more time investment in other productive tasks. Security and potential of the business also increases. Proper management and analysis can be done with the help of data stored and generated due to implementation of this digitalized system.

1. INTRODUCTION

India is 7th largest country in terms of geographic size. Also having 382 people per.sq.km of density. This means there is need for efficient means of long distance transportation. Therefore it will make way too easy for running and managing bus transportation. Manually it is near to impossible to keep paper work and manage it using manpower for country with such a great population. Hence this system will help in smooth management of transportation for both consigner and Oconsignee. It will specially help the startup business in bus transportation as less manpower needed and collectively operating all the aspects of business, such as billing, booking, bus arability, record keeping, payment etc.

1.1 Existing System

Bus Transport Management System (BTMS) is designed to manage the booking and maintenance of growing bus transportation. Presently bus passengers frequently need to know about their ticket reservation status, ticket viability status on particular bus for particular destination, bus arrival and departure timing, halts and route of bus etc. Customer information centres at the bus stations are unable to serve such quires at peak periods. Also as for now there are no customer call centres facilities are available. Ticket booking in rural areas is much more difficult as people living there have to come all the way to the city where mostly Reservation Office and Bookings as well as Payments are done. Although there is computerized system, however does not have that great productivity and usefulness.

1.2 PROPOSED SYSTEM

There are number of advantages of Bus Transport Management System. This is comparatively to the present system faster and optimum requires less time for updating and fetching data. It working on it easier and the friendly user interface is cherry on the cake for the users. Implementation of AJAX Technology makes it much faster. As required we can update and change the database if in future any new route or bus is implemented by the transportation management. Most importantly it saves time. It also costs less for maintaining as new technologies are used.

2. SYSTEM OVERVIEW

Bus Transport Management System makes transport maintenance easy and requires less man power and less time as well as cost for maintaining it. Various new concepts are implemented in this proposed system. HTML, XML, CSS for designing and front end development of the system. Most popular technology nowadays in the fields of web development i.e. AJAX, JavaScript, PHP is also implemented having the major role in validation and for whole processing. With the help of documentation it's very much easy for the any third party to understand the system. As everything is automated now in new system now user need less Clerical work involvement to manage transport work.

There are # main modules in the system

1. Admin Module
2. User Module
3. Transaction Module

2.1 Admin Module

In Admin Module, is like the master key as it has access to all the data and also access and make changes in any of the three modules. Hence providing total authority and independence to admin. The database of admin in back end has attributes like admin name, admin ID admin, adminPno.

2.2 User Module

This is the most important module of whole system as this the module which going to be used by several user and depending on this Quality, compatibility, precision of the system is going to be depended. As being the User Interface and mediator between user and system it has to be at its best.

2.3 Transaction Module

This module does all the processing and billing as well as provide details about journey and its cost. This module provides and generates data as billing, booking, payment etc. takes place due to this module. Hence data of this module is very much helpful future analysis in system.

3. CONCLUSION

BUS TRANSPORT MANAGEMENT SYSTEM is a web based application. Which has high integrity to change the current problems and system failure. It's going to be the need and optimum option for comfortable travel experience in future. Also the same system with some basic and minute changes in programming and interface can be implemented for metros and railways also. From our project experience we have experienced that computerized system id more helpful rather than standing in queue for bookings. It helped us to get in depth knowledge about how system is planned, organized and managed. It's not everyone's cup of tea to manage such a huge transportation system so, by implementing BUS TRANSPORT MANAGEMENT SYSTEM things are going to get much better.

4. REFERENCES

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