KSRTC MANAGEMENT SYSTEM

Submitted by:

Athira Ramesh

RMCA A

Roll no:31

Submitted to:

Ms Nimmy Francis

Assistant professor

Dept of MCA

ABSTRACT

KSRTC 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. This project is planned to offer benefits to provide on time information to the stakeholders that include amongst KSRTC operating staff. This project is used to manage day to day operations of the organization's vehicle_management.It will have all basic modules to manage the organizations routine works. The system is expected to provide quality real time information on arrival and departure status, handling of incidents and accidents, increase safety of commuters and staff, reduce operational costs, improve traffic efficiency etc. The main moto of this is to provide transport service to consigner and consignee. As due to computerization billing, 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.

MODULE

ADMIN

- Login
- Register and Manage KSRTC terminal
- View bus details
- View complaint and post reply
- View daily report

KSRTC TERMINAL

- Login
- Register and manage bus
- Register and manage staff
- Register and manage workshop
- Assign staff (driver, conductor, workshop)
- Set route (destination, covering locations, arrival and departure time)

- Update route
- Track bus
- Daily report to admin
- View collection
- View repair details

BUS (DRIVER/CONDUCTOR)

- Login.
- View assigned bus
- View route
- Update collection
- Report breakdown and view response
- Post complaint and view reply

WORKSHOP

- Login
- View breakdown details and response
- Track bus
- Update repair details

PUBLIC

- View bus details
- View route
- Track bus

Mini project

Here admin is ksrtc district office .admin can manage all the terminal or depo and view daily report and if any complaint generated in bus driver side admin can view that and post their replay.

Ksrtc depo is taken as another module .The depo can register the buses and manage the staffs.staffs are allocated to buses running on particular route and update that route and give daily report to admin.and also view the collection

Bus conductor or driver can view the allocated buses and route update daily the collection if any complaint occur then post that complaint and view replay

Public can view the bus details and view their route

ADMIN

- Login
- Register and Manage KSRTC terminal
- View bus details
- View complaint and post reply
- View daily report

KSRTC TERMINAL (depot)

- Login
- Register and manage bus
- Register and manage staff
- Assign staff (driver, conductor, workshop)
- Set route (destination, covering locations, arrival and departure time)
- Update route
- Daily report to admin
- View collection

BUS (DRIVER/CONDUCTOR)

- Login.
- View assigned bus
- View route
- Update collection
- Post complaint and view reply

PUBLIC

- View bus details
- View route
- Track bus

Main project

Ksrtc terminal can track the buses

User or public can track the buses

If any complaint occur while running buses then the buses can directly connect with workshop

WORKSHOP

- Login
- View breakdown details and response
- Track bus
- Update repair details

Technology

Gps technology are used to tracking the buses.

Al technology are used to create chatbots

Software Specification

Operating system- : Windwows 10

Front end-:Html/css

Back end-:Django