**College Transport Automation System**

**Abstract**

This project is a desktop system that enables efficient storage of student records pertaining buses, such as bus routes, timings, stops, fees and facilities like mailing of bus receipts and passes. The system is designed for any faculty member who would like to add data to the system or retrieve data from the system. To reduce paper work . To make storage of information more efficient and secure . To have a user friendly interface. To run in almost any environment.

**System Analysis**

**Proposed System**

# The Bus Management System is a desktop system aimed at students, college administration to maintain bus facility. The system takes student information as input source and attempts to maintain the bus services. It allows flexibility during these processes. The system generates exhaustive reports related to the Bus Management i.e. Fees paid, dues, rout no. & bus stop. The reports highlight various bus services and features of the bus, which can be subjected to improvements especially for the college administration to improve bus transport system. The system requires comparatively small amount of resources such as memory, input/output devices and disk space. The system overall keeps approach in highlighting key features of the bus services.

**Advantages**

* This project comprehensively keeps a track of all the student data such as name, bus stop and other such details.
* It only allows administrative users to login and enter data.
* The data can also be retrieved as required.
* This allows for a common storage point for all the data.
* It also allows easy to use print access to administrative faculty for receipts and passes.

**Existing System:**

In the existing system Colleges have to manually maintain information regarding College busses and routes. Information relating to student passengers and bus passes have to be maintained separately.

**Disadvantages**

* Only one login and password is valid.
* Once the database becomes full a new database has to be created.
* Modifications and deletions must be made directly to the database

**Module Description:**

**Admin Module:**

Student payment

Bus information:

* + - Bus scheduling
    - Bus pass form
    - Bill receipt

Transport register details

Add bus stop

Complaint:

* + Bus oriented complaint
  + Driver oriented complaint

Feedback

Request

**Student payment:**

The register student will pay the transport amount the for the admin.

Bus information:

The bus information form will have the three category form for bus schedule information, bus pass form and bill receipt form.

The bus schedule form will have the route information about route no, bus stop, fees structure.

The bus pass form will have student id, student name, bus stop name, email id, department and semester details for student information.

Bill receipt form will have the payment details about due payment these details will send by the student mail id.

**Transport Register Details**

This form show the register student details in route no order wise.

**Add Bus Stop**

This form add the route no, bus stop name, fees structure details.

**Complaint**

The complaint form will have the two categories in bus complaint and driver oriented complaint. The bus complaint will have bus related information. Driver complaint will have driver oriented complaint will enter the details in complaint page.

**Feed Back**

The feedback form will student will enter the overall structure about the transport system.

**Request**

The request form is student will request the admin for the bus root for the particular bus root place.

**Student Module**

Route Details

Transport Request

Complaint

Feedback

Contacts

**Route Details**

This page will show the transport route details structure.

**Transport** **Request**

**Complaint**:

The student wills complaint for the driver and bus oriented complaint.

**Feedback**

The student wills will enter the feedback about the overall structure in transports management.

**Contact**

This form shows the office address only.

**Conclusion:**

The system can be made to allow access from multiple systems with a central system as the Server for databases. Adding new data to database. Savingdata in database. Retrieving data from the database.Search existing data from the database. Immediate printing of receipt and bus passes.To reduce paperwork.To make storage of information more efficient and secure