PHASE 2: SYSTEM ANALYSIS PHASE

Description of Current System

The current Transportation System in UI runs in a manual method, where everything is done manually, including vehicle registrations and everything that has to do with registrations.

Major Challenge of the Current System

Presently, providing transportation services to commuters is conducted old-fashioned, using a manual system of queuing and hailing of cab manually. This is a lengthy process that takes up a great deal of effort and time. With the number of students increasing, the management needs help managing the records of all the students and other details.

Proposed Solution on the Current System

The primary objectives of this application are to automate the details of transportation (pick up and drop off) services provided by the University/College to its faculty/students and visitors to organize the related data. The purpose is to design a system which allows one to manage the corresponding information. This system enables the user to view all data regarding the services supplied by the University/College; it also allows the administrator to keep and upgrade all information regarding the buses to the parents and students. This system enables the users to complain about the service, and the administrator can take action. The administrator can manage all transportation services data and view all chosen information.

Functional Requirements

1. **Manage Database**: The administrator can bring in, erase, modify, and look at particulars of vehicles and routes.
2. **Tracking:** The administrator keeps track of the details of the personnel (students and faculty) who use the transportation service.

Non-Functional Requirements

1. **Login User:** He/she must first login into the user interface of the application software before he can carry out any of the activities.

2. **Usability Requirement**: users should be able to use the system after 3 days of training.