

City Bus Management System:

Compared to the existing bus management system where most of the works are done manually, this proposed software requires less number of employees to handle the entire bus management system. The existing system is very traditional requiring a lot of paper work and **human resource** too is required in large number. It is very unreliable, uneconomical, and ineffective.

Modules Used:

- **Route Management:** This is a module in this project which updates different bus routes of the city along with their timing to the system database. Here, new routes can be added to the database and old routes which are no longer in use can be deleted from the database. Users can search by bus name to find the required details. Four sub-modules make up this module: save, delete, edit and exit.
- **Bus Details:** This module handles information of each bus such as the bus names, bus numbers, route details and timings of arrival of buses. This module also allows provision of addition, deletion, saving and editing options.
- **Bus Stop:** Details of each bus stop are handled by this module. It keeps track of arrival and departure of bus at each stops over the entire route.
- **Trip Information:** This module manages trip information such as source, destination and total trip details of each bus.
- **Employee Details:** This module keeps records of employees in the city bus management such as drivers, conductors and other working staffs.
- **Schedule:** It handles schedule (shift details, leave details, etc.) of each employee or working staff.