

Problem Statement: To design an intra-college shuttle service

Project Description:

Students in our college face difficulty in planning journey from/to their nearby station to/from college as the transportation cost alone is very expensive. Taking this problem into consideration, we'll be developing a web application in order to make it a bit easy and affordable for the students to plan their journey.

This web application takes the information as to where and when the person wants to reach (i.e. destination place and reaching time) and from where and when will the person be leaving (i.e. source station and leaving time). Depending on the destination and time gap the people have between their leaving times, the ones with the time gap of certain time duration and same destination will be recommended to the one using the application. The user can then chat and decide when to leave and with whom to leave. This way the cost and the time can be effectively reduced and managed so that the users will be able to reach their desired destination by sharing charges.

Implementation:

The web application will consist of sign-in/sign-up page which will authenticate/store user data (username, college email-id and password) in the database. Upon entering the application, the user will have to give the following details:

- *Destination

- *Reaching time

- *Source station

- *Leaving time

All these details will be stored in the database and will be compared with the user data already present in it. The users having same destination and leaving time within the time range of +-1h will be recommended to the user using the application. The user will then choose the one with whom they want to travel with. The contact details of the selected person will then be visible. The person can then chat with the selected person and plan their journey accordingly.