PUBLIC TRANSPORTATION AND OPTIMIZATION

DEFINITION:

Public transportation,often reffered to as public transporation refers to a system of transportation thst is available for use by the general public,typically consisting of buses,trains and other modes of transportation.

PROJECT OBJECTIVE:

We aim to optimize efficient routing and scheduling to minimize the time passengers spend and also for cost efficiency by optimizing resources.

DESIGN THINKING:

A GPS sensor works by receiving signals from a network of satellites orbiting the earth to determine the devices precise location,speed and elevation.

Each GPS satellite emits radio signals containing precise timing information and the satellites position. They are found in smartphones,navigation devices or other GPS enabled devices,receives signals from multiple satellites.

Once the GPS has distance measurements to multiple satellites,it can calculate its precise position by solving a system of equations based on distance measurements and the position of satellites.

DATA SHARING PLATFORM:

Simply an user friendly web page can collect datas in real time and allows user to monitor the activities of sensor.These web pages are made visible to the users.