ABSTRACT

Vehicle navigation systems are used for guiding vehicles to their destination. These systems usually use GPS or inertial navigation systems or a combination of both for positioning the vehicle. The vehicle navigation systems use a computer, which determines the position of the vehicle , plans the route and gives the directions to the driver. The driver gives the location of his destination while starting his journey and the computer guides the driver by giving either audio or and visual instructions. The route the computer plans is usually optimized route; the route is the route optimized for distance or the route can be the most or the least used route.

Vehicle tracking systems are usually used for managing a fleet of vehicles. The vehicles of a fleet are fitted with GPS, which usually transmit the positional data of the vehicles to a central station. The central station is a monitoring station, where the position of vehicles is displayed on a GIS map. Vehicle tracking systems will be useful for the police and emergency response services. The central station usually diverts the vehicle nearest to the site, where the vehicles are required. By using a wireless phone service or cellular phone network, real time corrections can be sent to the receivers fitted on the vehicles and better results can be obtained.

1) AGARWAL MANISH R. (U06EC307)
2) MEHTA SANJOG J. (U06EC340)
3) AMAN GUPTA (U06EC309)

GUIDE : Associate Prof. Mr. P.J Engineer..