**REAL TIME FLEET MONITORING AND SECURITY SYSTEM USING GSM NETWORK**

**ABTRACT**

Over the past decade, real-time tracking and management of vehicles has been a field of

mounting interest. Now it has developed into a powerful and marketable package due to its low-cost and varying facilities such as Anti-theft modules and Client identification. Although the system may be described in a fairly simple flow statement, the system elements are rather complexed and polished to the perfect practical application.

Automobile tracking in the private and defense sector has required a vast amount of

research and development. This paper presents the two-way multiple vehicles tracking system

using GSM network and satellite communication. The multi-vehicle tracking system uses an

extensive combination of global positioning system (GPS), GSM network and Digital mapping

with cost effective hardware solution. The tracking system works on the synchronization of the

vehicle client unit and the base station. Multi-layered digitized maps results real-time and precise

location tracking and provides the various detail information of environment. The system is

exploited for vehicle security providing opportunity to remote server to secure the vehicle in case

of theft with indispensable anti theft device. Moreover the system provides text guidance to the

client through embedded LCD and KEYPAD interfacing.

**BLOCK DIAGRAM:**

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