**ABSTRACT**

In this project of GPS Based Vehicle Travel Monitor it involves the integration of GPS shield with GPS-A6B and Arduino and stores this in SD card and google map interface is extension of this project . In Vehicle tracking project, you can track the location of your Vehicle. This project gives Minute-by-minute updates about vehicle location by storing latitude and longitude in SD card and interfacing SD card to google maps .. Microcontroller is the central processing unit CPU of our project. The coordinates from GPS modem and then it sends this information to the user by storing values in SD card .

**GPS based Vehicle tracking system** is required in many situations, like in case of car theft detection. This project will be useful when our car is stolen. Also if somebody wants to track school bus of their children, at that time it will be helpful to find out the location of kids. One more situation is when some company wants to track the location of the cab or transport bus of employee then in this case this vehicle tracking system will be very useful.

In **GPS tracking system** the location of vehicle is sent to remote place and show location when interfaced with google maps using SD card. Global Positioning System (GPS) modem requires minimum 3 satellites to calculate the exact location. This will communicates only in single way with user. This means that it can only transmit data to receiver. GPS Modem does not receive any data from user (or) receiver . At the same time GPS modem does not send data to Satellite, it only receives signal from satellites.