Vehicle Tracking System

Introduction:-

Global Positioning System tracking is a method of working out exactly where something is. A GPS tracking system uses the Global Navigation Satellite System (GNSS) network. This network incorporates a range of satellites that use microwave signals that are transmitted to GPS devices to give information on location, vehicle speed, time and direction.

So, a GPS tracking system can potentially give both real-time and historic navigation data on any kind of journey.

Components:-

Arduino
LCD
CO sensor (MQ-7)
GPS
GSM
Vibration sensor
Buzzer

Project flow:-

After initialization the microcontroller, display the project title and continuously read sensor data and it will display the Carbon monoxide percentage value in the LCD. Once the value will be more than the reference then indicate in LCD and also buzzer on for indication and send the information to predefined value (Carbon monoxide and location information).Also if the vibration occurred(accident occurred) then send the location information to predefined phone number.

FUNCTIONAL BLOCK DIAGRAM