Synopsis

Idea Details

Department Category : Education Department

Problem Statement : GPS based vehicle tracking system for school children

College Name : Government Polytechnic, A'bad

College Code : 617

Team ID : 817

Problem ID: GH183
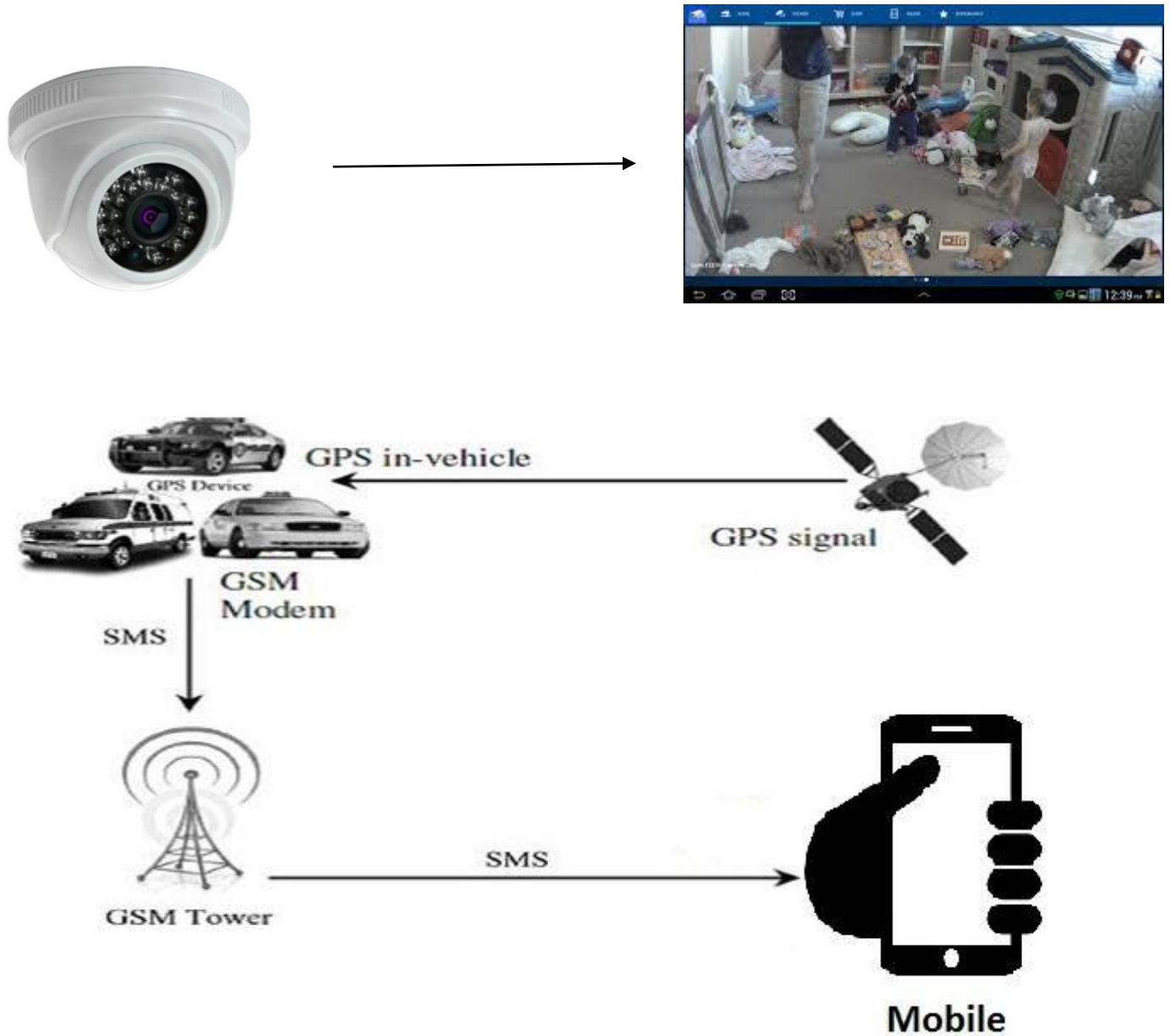
Team Leader Name : Desai Jignesh K. (156170311511)

1) **Methodology :**

Vehicle tracking system uses GPS & GSM to track and provide minute by minute location information to user over mobile phone via SMS.

- By sending SMS "Track Vehicle" through Mobile one can get the current location of vehicle (school bus/van).
- After receiving this SMS , microcontroller gets the cordinates from GPS modem and then it sends this information to the Sender in text SMS. This SMS contain longitude and latitude of the vehicle location.
- At Parent's side various mobile applications can be used to plot the Vehicle using this longitude and latitude data on google

map. In this way Parents are able to track their Child on a real-time basis.

2) **Flow Diagram :**

3) **Tools to be used :**

- Ardunio (for software)

4) **Possible outcome of project** :
- At Parent's side various mobile applications can be used to plot the Vehicle on google map.
- In this way Parents are able to track their Child on a real-time basis.
- Inst. will get alerts if the driver is over-speeding.

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