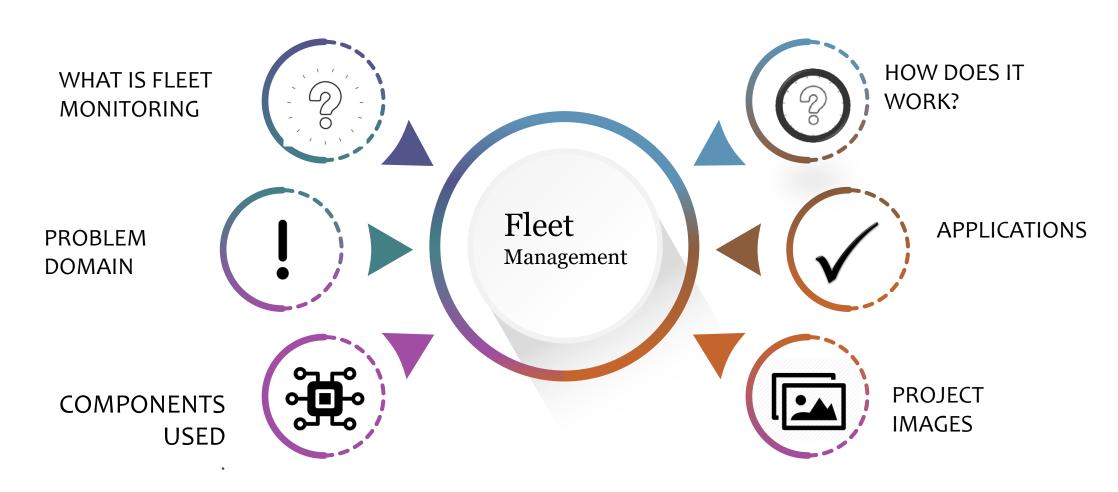


LIVE FLEET MONITORING SYSTEM

SUJITHA R MANOJ S SUJITHA N

AGENDA



WHAT IS FLEET MONITORING?

Fleet monitoring is a way to keep track the activities of every vehicles in a company's fleet, normally using a GPS tracking unit fitted to the vehicle. The GPS unit regularly transmits the vehicle location using a built-in cellular and Wi-Fi connection.









Managing fuel usage Safety and security of the travellers PROBLEM Driver management DOMAIN Route optimization Difficulties in managing every buses on a fleet

COMPONENTS USED























MOBILE PHONE

HOW DOES IT WORK?

- Our project uses GPS based tracking to get the live location data of the fleet.
- The live location data from GPS is transferred to the cloud service with the help of GSM module and NodeMCU.
- The data stored in our cloud can be accessed from our application called BIT BUS, which can be helpful for both students and management.
- Also, with the use of RFID technology, the information of students boarding the bus can be accessed from the database.





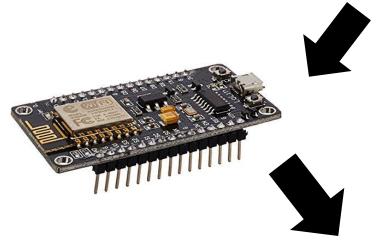


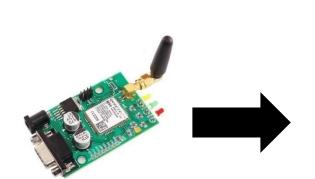
INTERFACING THE COMPONENTS

GPS and GSM is connected with a microcontroller with Wi-Fi connection capabilities, which will help to push data from GPS to cloud.

GSM is used here to enable hotspot for the MCU to connect do its work.



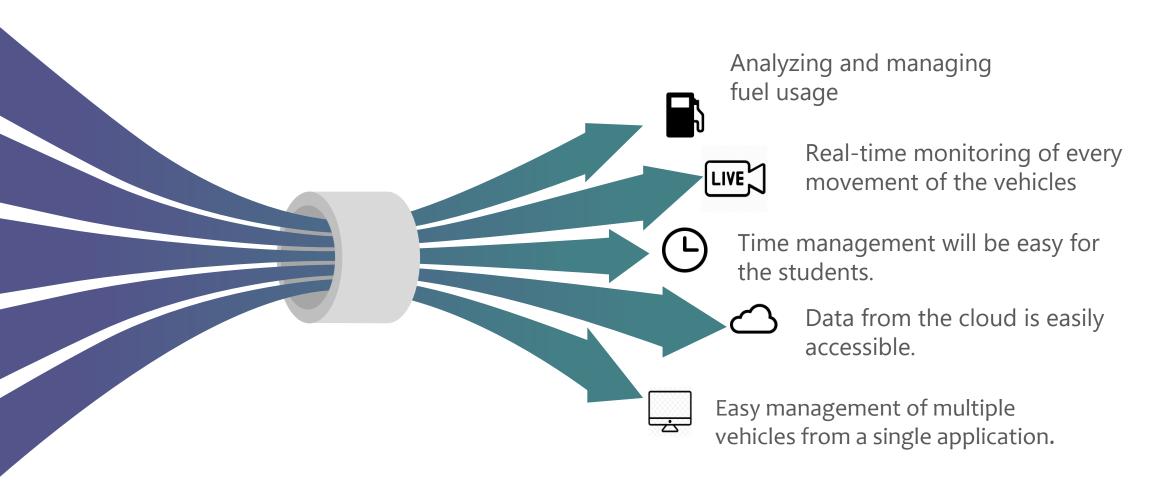




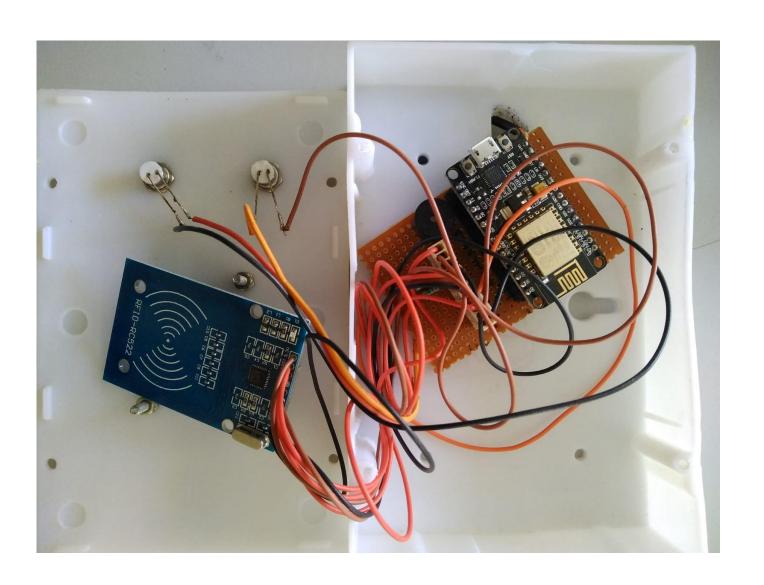




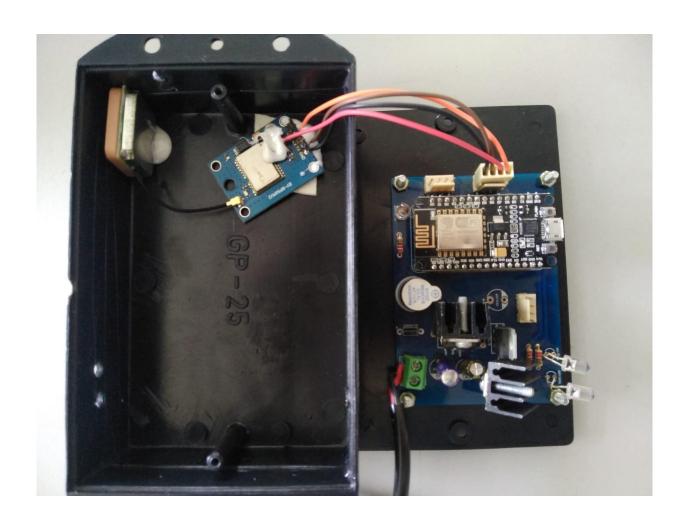
APPLICATIONS



RFID UNIT



GPS AND GSM WITH MCU



PRODUCT



PROJECT VIDEO



Thankyou