Abstract

In today's world, actual record of fuel filled and fuel consumption in vehicles is not maintained. It results in a financial loss. To avoid this we are implementing for sensing the amount of fuel filled in the vehicle. So as soon as agent starts filling petrol in your bike/car, using the Loadcell. The basic Objective of this project is to know exact amount of the petrol remaining in the fuel tank and how much distance it can travel. Also we can find near by petrol pumps and also it will indicate that the petrol pumps are out of petrol or not. The graphical display will show how much fuel is there and how much was added as well and total amount of fuel in the fuel tank this will be evidence of any kind of cheating is done by the ones fillings the fuel. this will nearly eradicate any kind of tricks pulled off by the petrol pumps. This flow sensor will be active till flow ends. Once flow ends it will calculate the amount of fuel filled and directly notify on your Dashboard an IOT fuel monitoring system and the Many a times while travelling, people get stuck in the middle of nowhere due to an empty fuel tank. Our project aims at eliminating this problem by searching and showing the nearest petrol pump to the user. We have developed an android application.
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will notify us whenever petrol will go lower than particular level that the vehicle can travel how much km or distance in that petrol and it will also indicate the nearby petrol pumps and the petrol pumps are out of petrol or not. previously the vehicles have traditional fuel indicator meter that show the petrol level but the accuracy was not there so this system will give us the accuracy. To stop the frauds at the petrol pumps. To improve the accuracy in the petrol measurement. To reduce the amount of time to for finding the nearby petrol pumps.

References


IoT based Smart Vehicles for Fuel Consumption

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Index Terms

Computer Science  Communications

Keywords

Sensors and Actuator, location based Services, software prototyping, database web servers.