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IoT Based Smart Fuel Meter

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Abstract: In recent days number of vehicle are increasing rapidly and specially most of the people are using fuel vehicle also the price of the fuel are continuously increasing now days, due to this most of the petrol pump owner cheated with there customer. When customer ask the petrol pump worker to fill the fuel pump then they will cheat with the customer by showing them wrong data or manipulating the fuel data. In order to counter this problem we have made a solution which will measure the exact amount of the fuel which filled into the tank and it will also show actual cost of the petrol which get filled in fuel tank. The proposed Smart Fuel Meter consists of a system for measuring the fuel quantity A mobile application is also provided that allows an end user to check the actual volume and cost of the fuel. This app will daily update the price of the fuel and the cost of the fuel will be calculated from the latest price of the fuel.

Keywords: Internet of Things (IOT), ESP12E, Embedded System, Fuel meter, Fuel Fraud Detection

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