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(57) Abstract :

The present invention discloses a new technology for measuring the quantity of fuel in the vehicle fuel tank is a very feasible option. Nowadays, petrol or fuel theft is mainly occurring in petrol bunkers or gas stations. During the refilling of automobiles, we end up with the quantity of fuel that we pay for. This is occurring due to the theft of gasoline by the deceiving owners. To avoid this loss, a portable IOT gadget is designed to check the quantity of fuel or gasoline at the POS (point of sale). This project is useful for real-time checking of fuel or gasoline quantities in vehicle refills. For checking the quantity of fuel or petrol, we are using the components Arduino UNO, SSD1306 display, ESP8266 Wi-Fi module, and turbine flow sensor. In addition to this, we make use of our own IOT platform, an app developed in the MIT app inverter. Here, we use a Wi-Fi module for uploading the data to the cloud. SSD1306 is used for displaying information about the gasoline at that instant. A database is maintained for each and every individual for providing his or her visits to nearby or any gas stations towards his destination and suggesting the best station through the UI installed in his or her smartphone. Keywords: IOT; ESP8266 Wi-Fi Module; turbine flow sensor.

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