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Gas Level Detection and Automatic Gas Booking System

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Abstract: *In general, LPG gas is used in our homes most of the time, and using it has become a basic need for everyone. It is dangerous to breathe in areas where there is a chance of losing our lives because gas leaks have been observed in the past and continue to this day, causing multiple accidents. If the gas leak's level rises, it may explode. Gas leaks must be found and prevented, if necessary, in order to prevent such losses. The only way to detect gas leaks is to continuously monitor the atmosphere, which is only possible artificially. How In an effort to reduce the conditions that lead to gas leaks, our It's also critical to keep an eye on the pressure inside the large gas containers holding dangerous gasses to prevent them from bursting and causing an unexpected gas leak. The system is an Internet of Things application running in the cloud that processes sensor data and makes appropriate decisions. This problem has a number of suggested remedies, but none of them have shown to be effective. The goal of this IOT project is to detect leaks and notify individuals, hence reducing the number of gas leak events. The gas sensor MQ2 finds the gas leak coming from the cylinder. The MQ-2 can detect alcohol, smoke, propane, H2, LPG, CH4, and CO. It is connected to the Node MCU (ESP8266), which is configured to deliver the message straight to the user's smartphone via the cloud. For short work suggests a system for detecting leaks in buildings and homes*

Keywords: Arduino uno, Internet of Things(IoT), Load Cell, Gas Sensor, Buzzer