

PROJECT OBJECTIVES

Many accidents occur in day to day life like explosion because of LPG leakage. Major harm is caused, if gas leakage is not detected early. But now we can detect the gas leakage using the MQ5 gas sensor. In this IOT gas leakage detector, device will get connected to WIFI, the minimum and maximum parameter can be set accordingly. Such IOT as well as Arduino based gas leakage detector systems can be installed in homes, hotels LPG gas storage areas. In this LPG gas detector system senses the LPG gas using MQ5 gas sensor. This device will continuously monitor the level of LPG gas present in the air. While monitoring, if the value of LPG gas in air is within the set limit then the RGB LED on the circuit will glow green giving a safe sign. And whenever the gas exceeds above the predefined limit than the RGB LED will glow red and simultaneously solenoid valve will turn off and update it over IOT. This Arduino and IOT project will help in detecting gas leakage in the surrounding.