

# IoT BASED LPG GAS MONITORING AND AUTOMATIC CYLINDER BOOKING SYSTEM

## ABSTRACT

Liquefied Petroleum Gas (LPG) is widely used in households, but the consumer is unaware of the daily rate of consumption and the time frame when he/she needs to book a refill. In this paper, we present an Internet of Things (IoT) based system which monitors different aspects related to LPG cylinder, and thereby keeps the consumer updated via a mobile application. The algorithm developed predicts the average number of days for which the LPG cylinder will last, depending upon the consumption pattern of the consumer. features include displaying the percentage of LPG consumed, the real-time weight of the cylinder and one-click refill booking via mobile application. The safety feature is inherent part of this home automation system, as when gas leakage is detected it alerts the consumer via mobile application and in-built buzzer. Simultaneously. The system is designed such that it can be used as an LPG cylinder stand.

## BLOCK DIAGRAM

