

ABSTRACT

Across Tanzania most of people use the liquefied petroleum gas (LPG) cylinders. In our homes we observe that LPG gas cylinders are empty without known that the cylinders will be empty, many times it happens that because of suddenly emptiness and shortage of cylinders, there is a delay in providing the gas cylinder. Main reason behind this is we inform the gas provider at the last moment when the gas is empty. The main objective was to design a system that will be used for booking and monitoring real time weight of LPG gas cylinders.

The steps and methods which were used to achieve the goals for this project was literature review different sources of information based on principles, data collection, data analysis, system design, simulation and built a prototype. The idea of this work was to present a design that senses the daily weight of the cylinder and if the weight gets low to certain value cylinder gets booked automatically and an SMS is sent to the user. Sensing unit was design perfect, everything is displayed on LCD display and SMS were sent. The proposed system was designed to meet Tanzania environment