Abstract

Many times there arises a situation during which containers filled with products are on a verge of completion and individuals are unaware of it. The containers which are filled with the bulk of products even get completed and there arises an emergence of ordering that particular product in an abrupt manner. Containers at malls and at other storehouses sometimes get completed and due to unawareness over decrement in quantity lead to failure in production or transportation of that product in assigned time slot.

Hence in order to circumvent the above situation, A microcontroller based system is proposed in our paper that leads to aware an individual and give him/her track related to the decrement of product quantity filled in their respective containers or storage appliances. This IoT-based system comprises of container that is interfaced with IR sensor along with Arduino and GSM modem alerting over the actual completion of product quantity to respective entity. This smart system is capable of reducing human efforts of regular scrutinization over product quantity in the container along with enhancement of a smart city vision.
References


9. Dr. Ovidiu Vermesan and Dr. Peter Friess, 2014, Internet of Things- From Research and Innovation to Market Development.

Index Terms

Computer Science  Artificial Intelligence

Keywords

Arduino, IR Sensor, GSM Modem, IoT, Line of Sight.