

**VALIDATING AND WEIGHT SCALES REPORT OF FOODSTUFFS IN SMART HOME  
BASED ON SHORT MESSAGE SERVICE (SMS) AND EMAIL WITH THE RADIO  
FREQUENCY IDENTIFICATION (RFID)**

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**ABSTRACT**

In this paper we focus on Validating and Weight scales report of Foodstuffs in Smart Home. The system is Short Message Service (SMS) and Email based Validating and Foodstuffs weight reports in the Smart Home with the Radio Frequency Identification (RFID) technologies. The system uses Global System for Mobile communication technology (GSM) and Web thus providing ubiquitous access to the system. This system provides information about the validity and weight scales of foodstuffs and inform the owner before expire date for avoidance from decay and finishing their amount. Also it will receive command from the owner through a SMS or an Email for replying the owner requests. We use the active Sensor-tag for measurement of foodstuffs weight and writeable tags for recording of validity. We present our own idea leading to a concept towards the practical implementation of a validating and weight scale reports of foodstuffs system. The system is wireless therefore more adaptable and cost-effective.

**KEYWORDS** - Short Message Service (SMS), Radio Frequency Identification (RFID), Sensor-tag, At Commands, Email