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(57) Abstract :

7. ABSTRACT A smart garbage monitoring system (100) using Sensors with RFID over internet of things is disclosed. The proposed technology is related to a new garbage collecting way to dispose the waste by using the latest technology. In this technology few sensors are incorporated to the smart bin (11) like photoelectric sensor (16) that detect the clear representation objects, weight sensor (20) that calculate the percentage of the garbage dumped inside the bin (11) and the IR sensor (14). When a person drops the garbage into the bin (11) the Radio frequency identification (RFID) CARD reader (18) reads all the information about that particular person (12) and send a message to him that the materials dropped inside the bin (11) and an appreciation message for using the bin (11). The IR sensor (14) sends the updated information to the concerned authorities (10) who are responsible for that particular area. So, the concerned authorities (12) continuously receive the messages until the bin (11) is squashed and each bin (11) is assigned with a unique ID. With the help of these sensors™ authorities (10) identifies the information about the bin (11) up to date by the unique ID of the bin (11). If the bin (11) is overflowing, the concerned authorities (10) can easily identify the bin (100) location and squash it as early as possible. So, people can again use it. Figure related to abstract is Fig.1.

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