WASTE MANAGEMENT SYSTEM

ABSTRACT

The present disclosure relates to a waste management system comprising a first waste bin having a first camera operatively configured to a controller. Images of waste captured by the first camera are analyzed by the controller to ensure that the waste is a plastic waste. Further, a categorisation mechanism executing at the controller classifies the plastic waste in at least one of a plastic category using a machine learning mechanism. The system comprises a motor for shredding the plastic waste and a sieve for collecting the shredded plastic waste. Containers attached at an end of the sieve receive and store the shredded plastic waste. The system comprises a second waste bin having a second camera for capturing images of the general/wet waste and categorizing the images to alert user about potential food waste. Categorised wet waste is collected in the second bin.

Figure. 1