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(57) Abstract :

ABSTRACT A SMART WASTE MANAGEMENT SYSTEM AND A METHOD FOR USING THE SAME A smart waste management system (100) and a method for using the same are provided. The smart waste management system (100) comprises an IoT layer (102) contains smart bins, wherein the smart bins comprise a plurality of sensors configured to detect waste, a fog layer (104) configured to receive information from the plurality of sensors, wherein the fog layer (104) uses machine learning techniques to analyze the data collected from the sensors in the smart bins and identify the various types of waste, and a cloud layer (106) configured to communicate with smart bins. [Figure 1]

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