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(57) Abstract :
The present disclosure relates to an automated waste receptacle (100), the waste receptacle (100) comprising a housing (102) adapted to receive the debris, a lid (104) pivotably coupled to the housing (102) to facilitate opening and closing of the housing (102), plurality of sensors configured to waste receptacle (100) for detecting the objects in the vicinity of the waste receptacle (100), and height of debris inside the housing (102), a control unit (202) operatively coupled with various components to open the lid (104) upon receiving the signals from first set of sensors (108), and alerts the user by an alert unit (112) when debris reached to pre-defined height, and biodegradable debris can be collected in separate chamber, and decomposed for producing the fertilizer.

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