

Incentivized Tech Bin

Waste management is becoming major cause and important in our world. In this modern world, people don't have time to throw wastes in dust bin. Instead they are throwing near the road, dumping into lakes and polluting our environment. So it is important to throw wastes in dustbin. This Incentivized Tech bin will motivate the user with rewards for throwing wastes in the bin. So that user will throw more garbage in the bin. For 1Kg of waste, he/she will be rewarded with a token key with amount of weight thrown into the bin and the points were given based on their frequency. Frequency can be identified by the fingerprint sensor and stored in database. The frequency and the weight thrown by the user will be stored in a centralized server so that user can use any dustbin in that area. Their details can be retrieved in any dustbin so the amount of weight and frequency can be added to the user's account correctly . Raspberry pi is used to connect all dustbin in a same network and ultrasonic sensor is used to check whether waste is thrown inside. This Tech bin will make the people to throw the wastes in any bin and get their rewards for their usage. This saves the environment by managing the wastes.