## **Incentivized Tech Bin**

## **Work Process:**

- The tech bin is developed with AI which can separate the wastes using image processing and stones can be detected and warn the user, not to throw the stone again.
- When the waste is thrown into the bin,camera in the bin will capture the image of the user using
  OpenCV and edge Al(biometric,keypad can't be used since it is difficult for children and
  uneducated people).
- If they want to add there social media account(Optional), they can add and their activity will be displayed in the official Tech bin page by tagging them.
- Using android game development platform Unity, a gamified display is displayed in the touch screen which will display the frequency and weight of the wastes thrown by the user up-to-date with a graphical games.
- If weight is more than 1kg,it will ask for QR code or Tokens(consists of QRcode) which can be scanned later in the web application. If none of the option is selected, Tokens will be printed and given to the user especially for children and uneducated people.
- This Bins are connected in a centralized server by LoRa(Long Range) so that we can use any bins which will store our usage anywhere.

