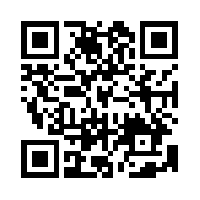
Compact Bin



Mohd Muzeem , K Vineesha and V Shivani

Technology:

A combination of fixed and moving blade cutting mechanism in shredder

A load cell and coresponding IoT devices

Initial Prototype:

A miniature bin with six sacs and spring sensors. A mini crusher for tetra packs

Customer Stories:

Sherin(Executive manager of inland Restaurant)

“We are ready to give our contribution to better world. Moreover GHMC is getting unpredictable.”

Bharat (Asstnt Eng. GHMC Waste management wing):

“We are working our best to reduce the landfill pollution .Growth in private waste management startups will boost up a waste management and recycling revolution”

Business:

Urban restaurants are supposed to use a composter if their waste exceeds a threshold which is a costly affair.

Cost of making is Rs.10,000 Per bin and Revenue expected is Rs. 5000 per month per Bin

Marketing will be based on triggering social and self actualizing needs. Elite Malls and Restaurants will be the initial target customers

Contributors:

Ramana ,our mentor suggested launching of simple product for single kind of waste

Srinivas, our technical mentor advised attaching a fulcrum rod to ease the crushing manually.

Prasanth(founder of bamboo house) asked us to Stick to plastic waste initially for profitability

Dr.HimaBinduMadam(School of Environmental Studies) helped us understanding the complications in Recycling and acting accordingly

Freddy(Entrepreneur) helped us come up with a payment based commercial model

Problem: Collection and Recycling processing of waste is expensive , inefficient and involves a lot of human labor

Product: Compact bin Shreds waste in compact space and is cloud connected ,enabling a optimized collection and ease of waste management

Progress:

* Week1 Decided to stick to single kind of waste for simple launch
* Week2 Approached Restaurants and hotels both rural and urban
* Week3 Study of Business models of various waste management startups
* Week4 Website and App building
* Week5 Attaching sensors and working on IoT
* Week6 Basic Product v-1.0 - Shredder