

### Problem Statement

No efficient methods of waste segregation and collection at initial stages.

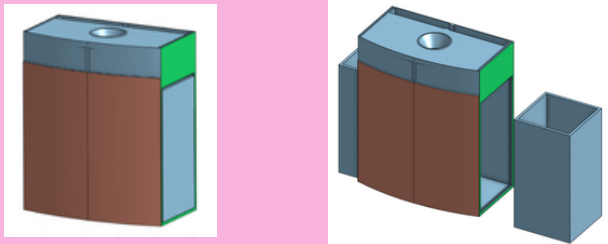
### Motivation

- Due to increase in global waste, there is no sustainable method for waste segregation.
- As wastes are dumped in landfills, segregation becomes difficult.
- Separate dustbins are inefficient as people are lazy.

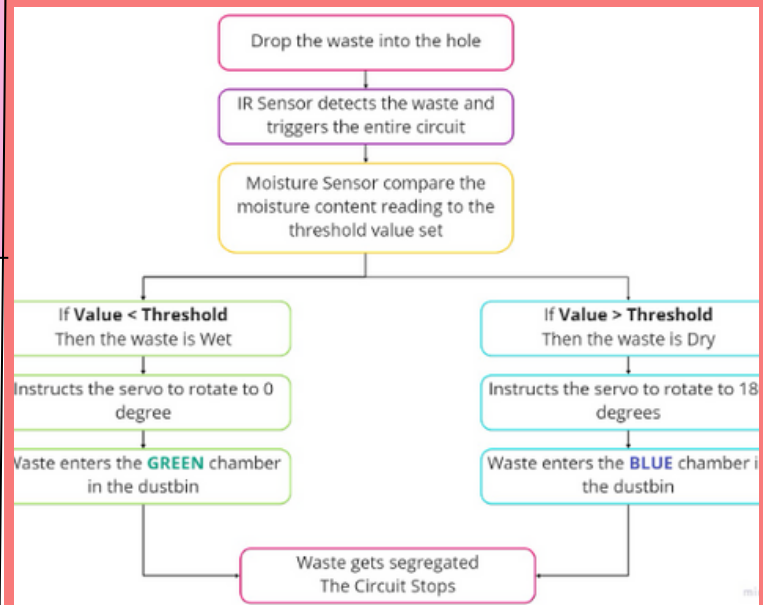
### Why Smart Dustbin?

- Auto-segregation into biodegradable & non-biodegradable.
- Alarm alerts the user when the bin gets filled by 90%
- Segregation process is automatic
- User-friendly.

### CAD Model



### How does it work?



### Prototype



### Competitive Landscape

- There is no similar pre-existing model.
- A market worth 542.7 billion USD can be captured.
- The cost of a model can be brought down by mass production.

### Future Plans

- Addition of GSM Model into community bins.
- Solar panels for outdoors.
- Automatic lid opening system

### Team Members



Ankur  
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Anugya  
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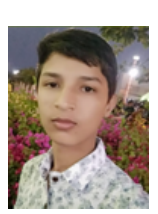
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