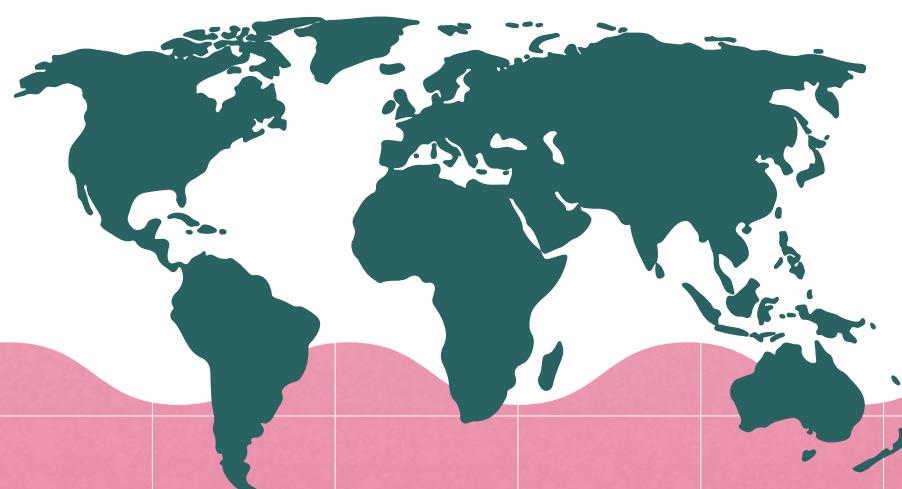


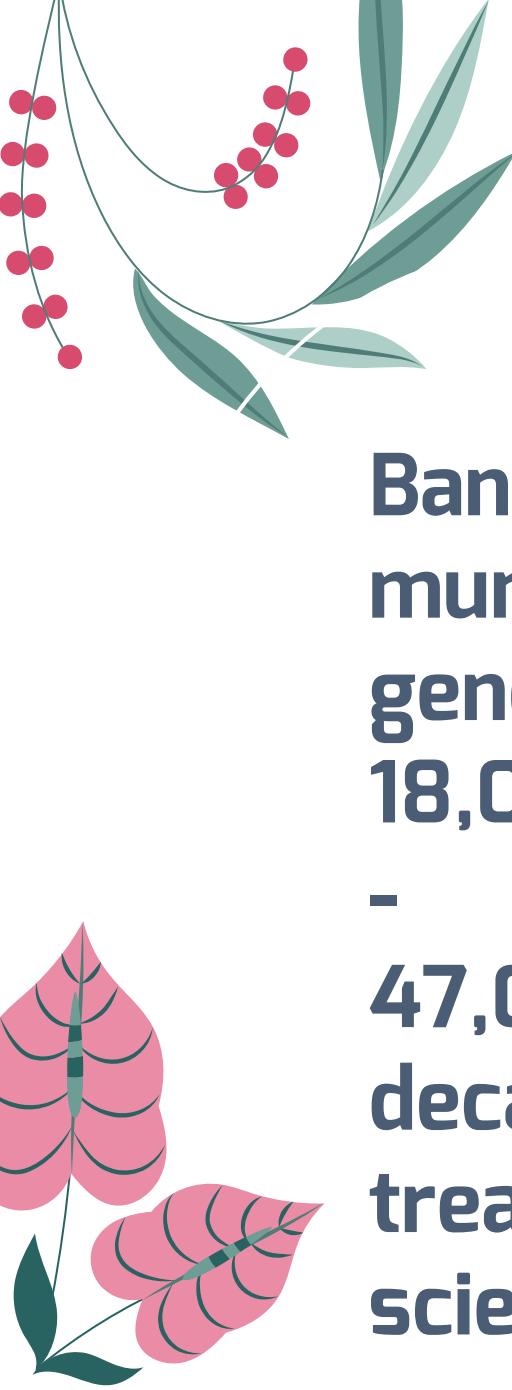




**“An individual, in a developing nation,
yields 0.45 to 0.50 kg of municipal
solid waste on average.”**

— a WB estimation





INTRODUCTION

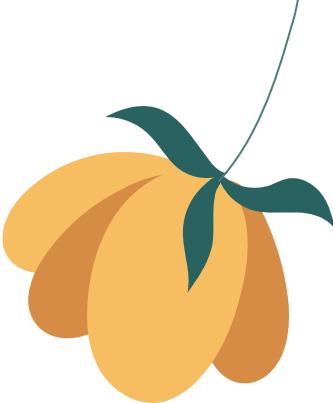
Bangladesh, combining all municipalities and towns, generates approximately 18,000 tons of waste per day - estimated to outweigh 47,064 tons in the following 2 decades - which do not get treated or disposed of in a scientifically smart manner.



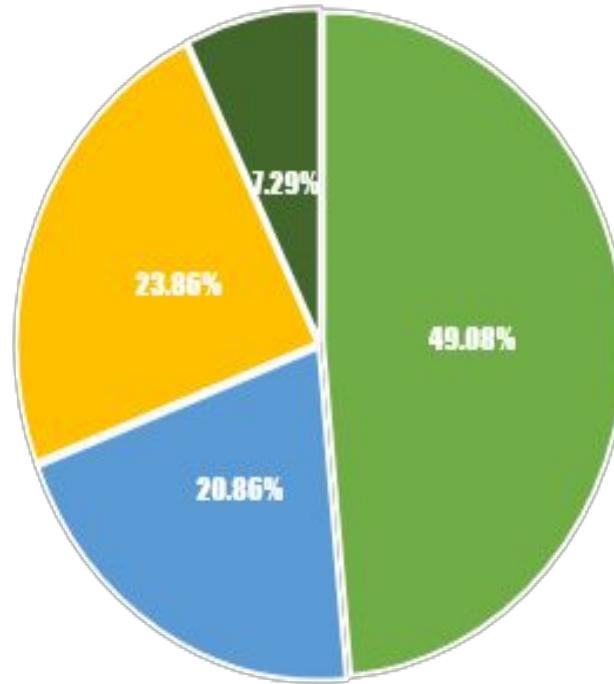
SOLUTION



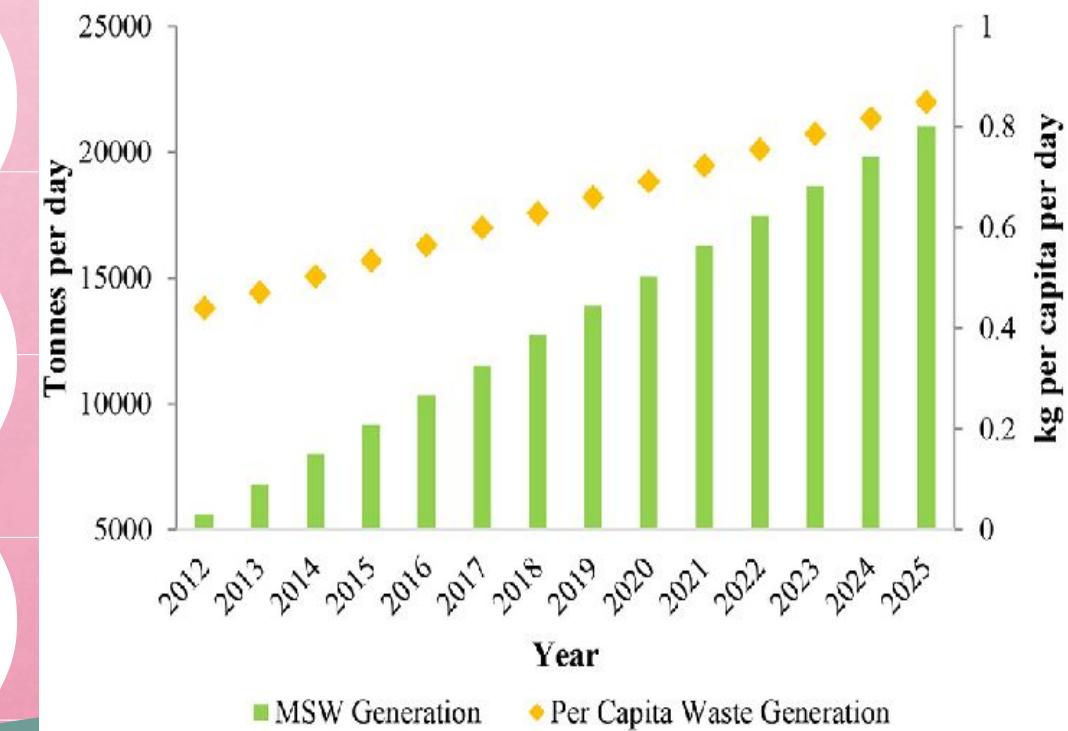
The project concerning the WasteWise has been developed to resolve the waste management disruption in Bangladesh.

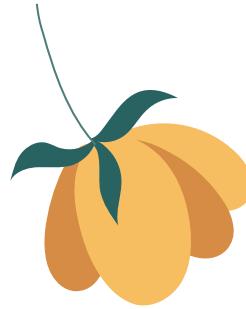


STATISTICS



■ Residential ■ Commercial ■ Industrial ■ Hospital & Clinical



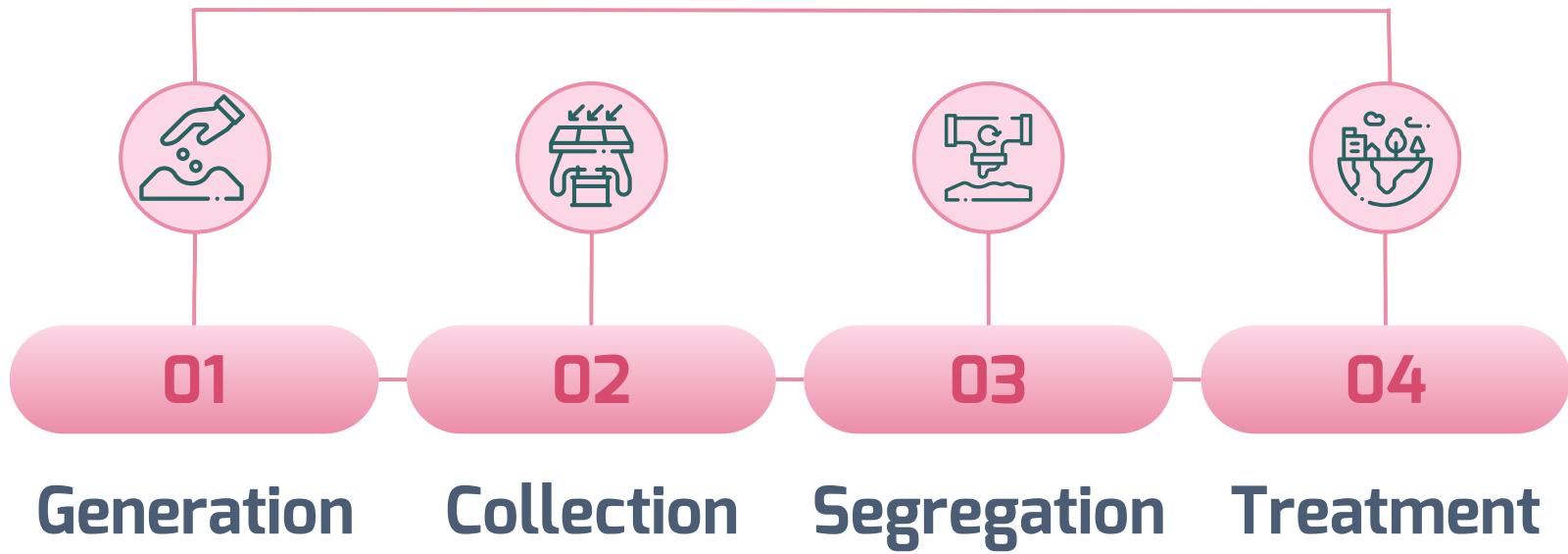


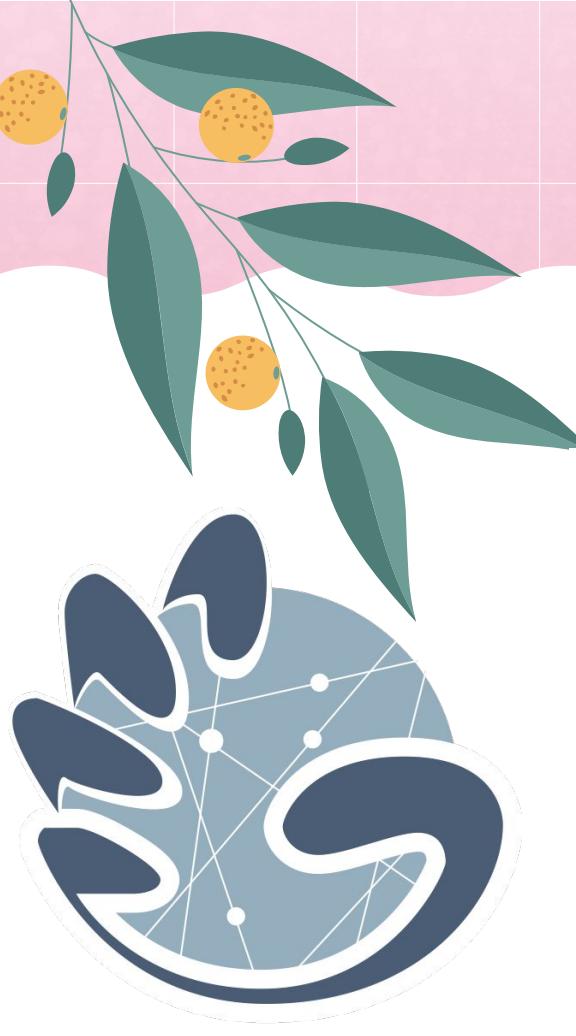
VISION

The project intends to place in force sustainable schemes of waste management loops along with imperturbable, methodical, and innovative systems for reducing waste generation.



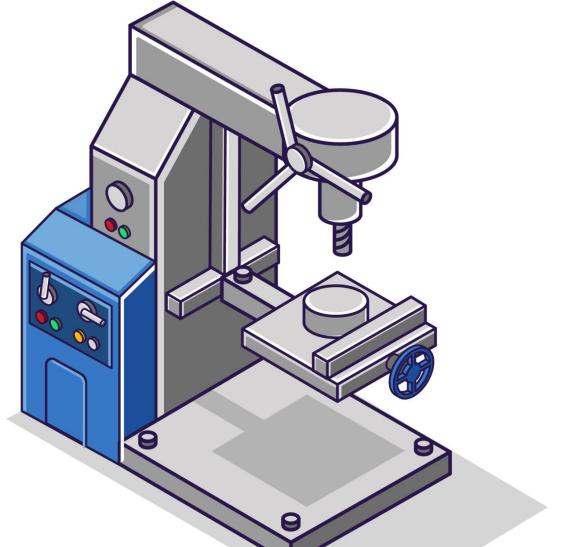
PROCESS LOOP





SUBSIDIARIES

Internet of
Things
(IoT)

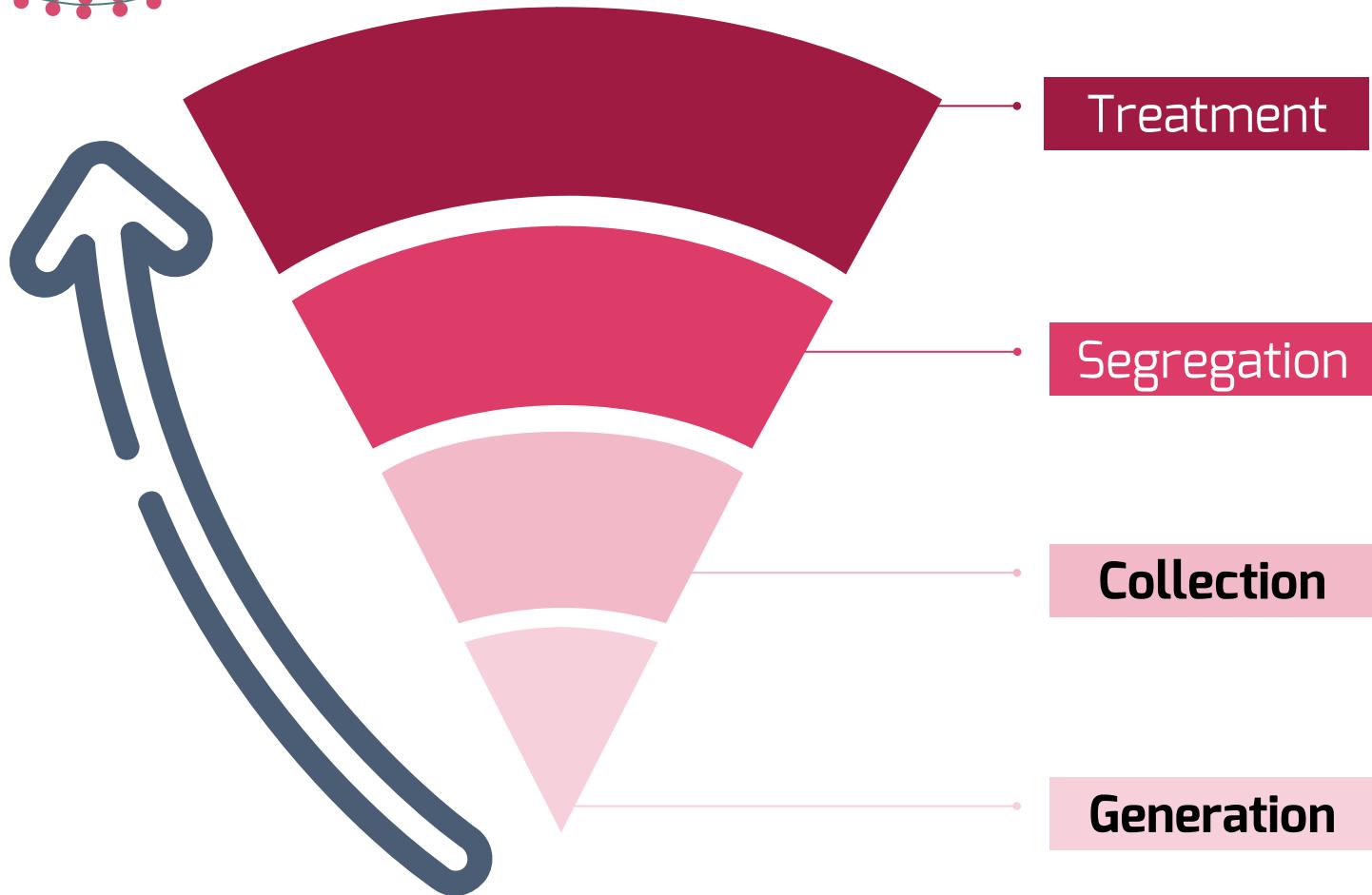


Advanced
Technology



Automated
Distributed
Systems

PROJECT FOCUS

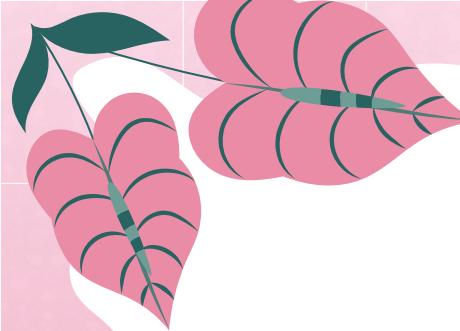


Solution B

**Sanitary
Landfill
Project**

Solution A

**Application
Software**



PROJECT CHART

WasteWise

The project
comprises 2
departments.

ADD

TTPA



Application
Development
Department



Trash
Treatment Plant
Authority



Solution A

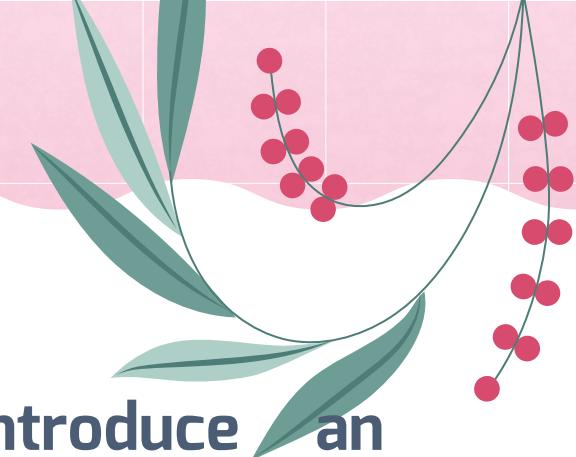
Development of
application software -
TrashWallet





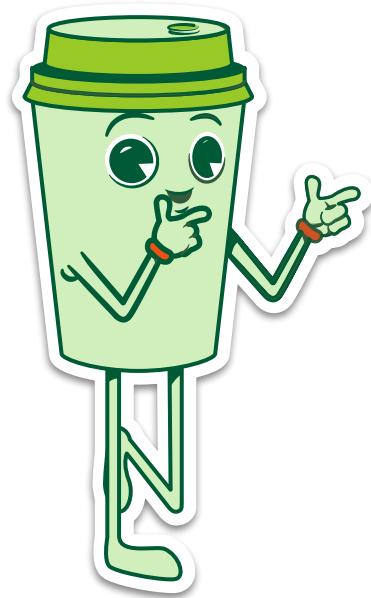
TrashWallet

We would like to introduce an application software - namely 'TrashWallet' - in partnership with the City Corporation which could be used by both the general mass and trash collectors of city corporations. A considerable amount of smart trash cans would be set up in different regions of Metropolia which could perform wireless communication with an operational server.





FUNCTIONALITY



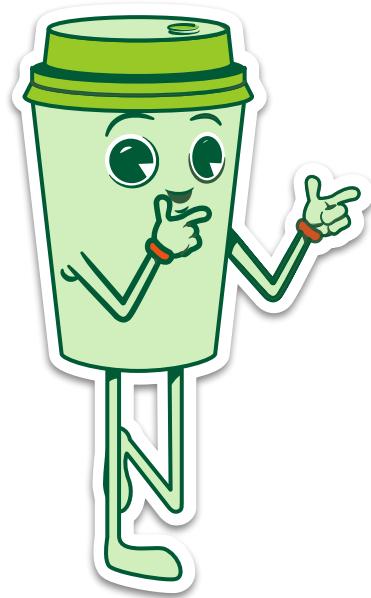
TrashWallet could suggest, to the general mass, all the probable biodegradable & non-biodegradable wastes could be yielded in a single-day analyzing daily data.



TrashWallet could locate all the smart trash cans using the API of Google Maps since all the trash can have trackers & sensors which can transmit data.



FUNCTIONALITY



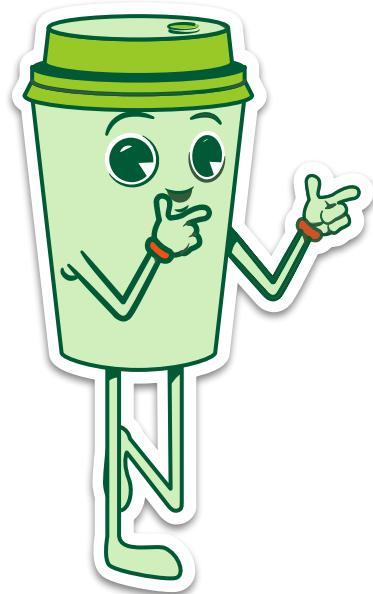
TrashWallet provides the productivity of secure online payment of trash bills through mobile banking platforms.



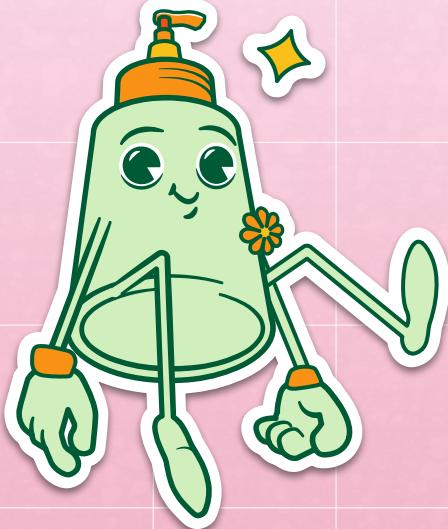
The daily trash records are stored, for a certain period, in a database and also in the application software; records could be inspected by the user.

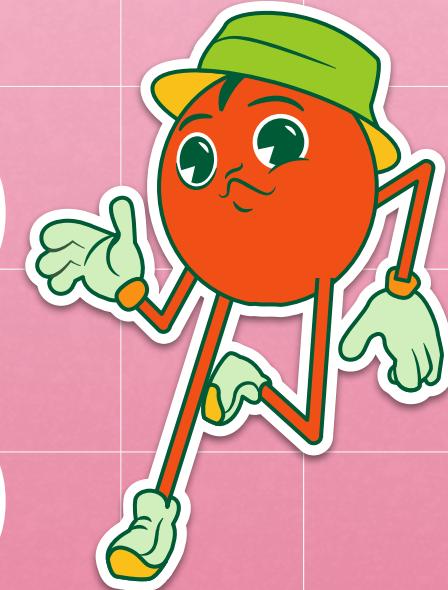
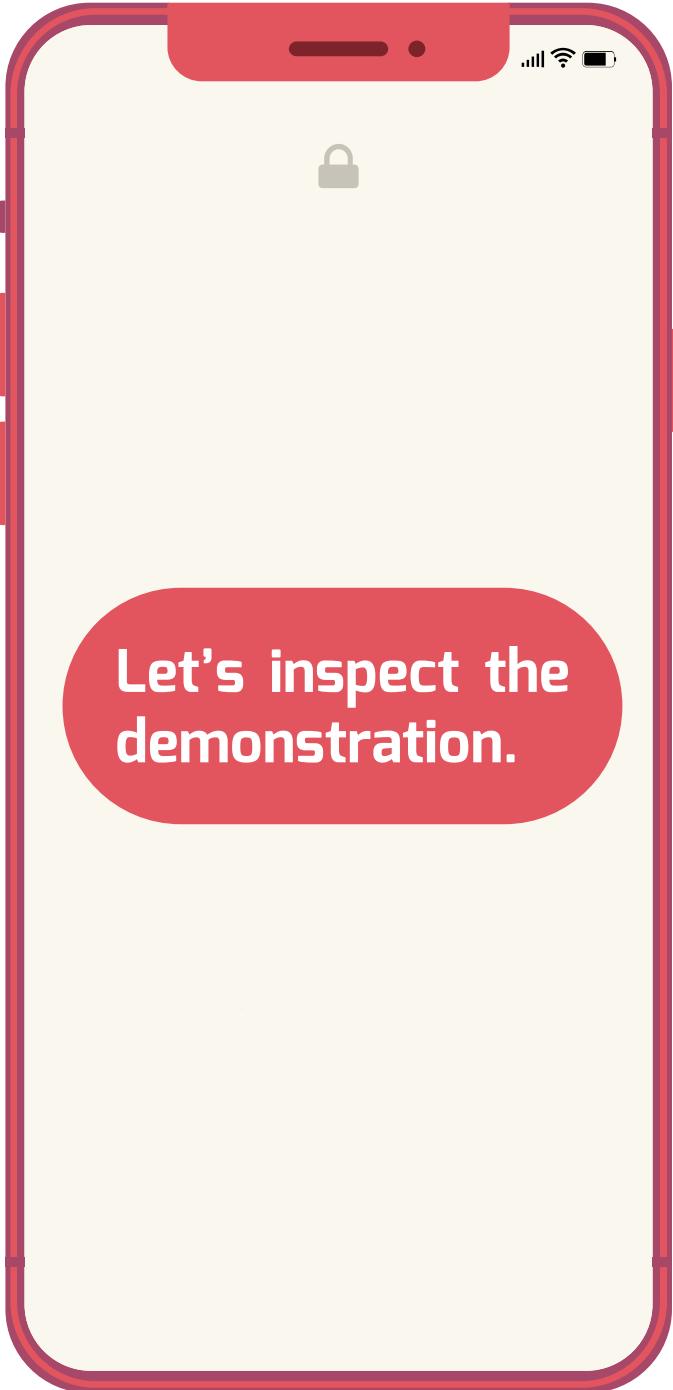
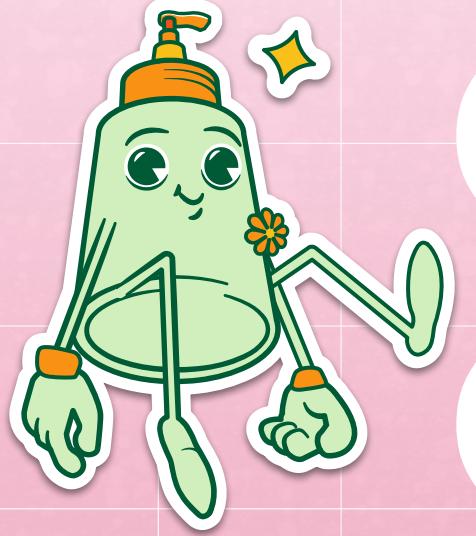


FUNCTIONALITY



The records which are being stored in a dedicated database are used to collect waste from specific locations by city corporations. A city corporation admin could generally log in to the server and perform an equal labour distribution (artificial intelligence could help the admin).







Solution B

**Construction of
Sanitary Landfill
Project**



[N: B: These logos are neither used for any official implementation nor for commercial purposes.]

Incorporation with...



POSSIBILITY

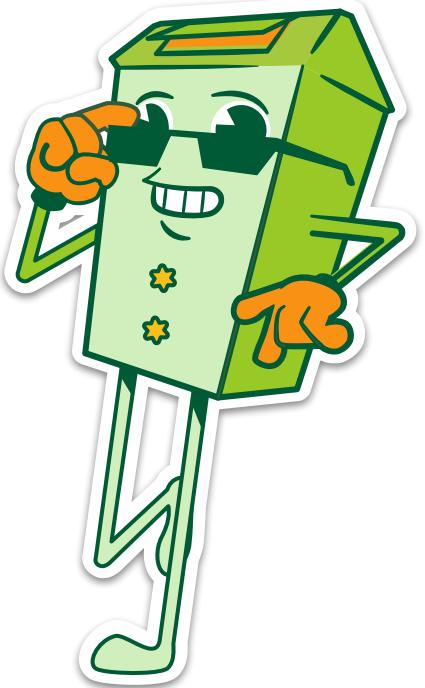


WasteWise looks forward to giving a curtain-raiser with the 'Sanitary Landfill Project' – a scientific and engineered methodology that impacts composting wastes in terms of waste biodegradability, atmospheric suitability, moisture content, hazard elimination, and methane gas emission regulation.

POSSIBILITY

The emission of methane gas allows for the production of electricity, which might very likely tie the concentration of non-government or private sectors, initiating possibilities for economic expansion.





A Brief Estimation



OUR TEAM



Mosamma Sultana Trina

Team Leader



Mahfuz Sarker Shykot



Fareya Azam Kame



**University of
Dhaka**

Thanks

Do you have any questions?

bsse1328@iit.du.ac.bd

bsse1313@iit.du.ac.bd

bsse1331@iit.du.ac.bd