



DATA FLOW DIAGARAM:

A Data flow Diagram is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically.

A Smart Waste Management System uses an analytics translate the data gather in your bins into actionable insights to help us improve the waste services.

You can receive data on metric such as:

- The first test conducted is the situation where the garbage bin is empty or it is in low level.
- Then, the bin is filled with more garbage until its level has surpassed the first threshold value.

- The first notification SMS send by the system, once the waste reaches 85%.
- The second notification SMS sent by the system when the waste level reaches 95% and indicates that the waste needs to be collected.
- Locations prone to overflow.
- The number of bins need to avoid overflowing waste.
- The number of collections that could be saved.
- The amount of fuel that could be saved.
- The driving distance that could be saved.