

Project Design Phase-II
Data Flow Diagram & User Stories

Date	14 October 2022
Team ID	PNT2022TMID21827
Project Name	Smart Waste Management System
Maximum Marks	4 Marks

Data Flow Diagrams:

- The smart bin system undergoes a thorough system check and battery level monitoring in order to function efficiently.
- If the battery level is found to be low, it has to be recharged immediately, else it can proceed to the next step.
- The threshold level levels of the bin are indicated by multiple sensors attached to bin. If the garbage exceeds the level, then an alert message is sent to the garbage collectors as well as to the municipality or area administration.
- The area in which garbage is found to overflow is allocated to respective garbage collectors in the form of messages through GSM system.
- Once the waste bin is emptied, an information update is sent to the municipality and server is updated.

This is how the waste from bins can be efficiently handled and managed using technology which in turn keeps the environment clean and healthy.

Keep the environment clean and healthy :)



