

## **Project Design Phase-II**

### **Data Flow Diagram & User Stories**

Date	29-SEP2022
Team ID	PNT2022TMID46746
Project Name	Project -Smart waste management system for metropolitan cities
Maximum Marks	4 Marks

#### **Data Flow Diagrams:**

- 1.A Data flow diagram(DFD) is a traditional visual representation of the information flows within a system.A neat and clear DFD can depict right amount of the system requirement graphichally.
- 2.It show data enters and leaves the system, what change the information, and where data is stored.
- 3.A smart waste management paltform uses analytics to translate the data gather in your bins into actionable insights to help you improve your waste service.

#### **You can receiver data on metric such as:**

- 1.The first test conducted is the situation where the garbage bin is empty or its garbage level is very low.
- 2.Then, the bin is filled with more garbage until level has surpassed the first threshold value, which is set to80% then the first warning SMS is being sent, as depicted.
- 3.The first notification SMS sent by the system, once the waste reaches the level of 85% full,The second notification SMS sent by thesystem,indicate that bin is at least 95% full and the garbage needs to be collectedimmediately.
- 4.Locations prone to overflow.
- 5.The number of bin needed to avoid overflowing waste.
- 6.The number of collection services that could be saved.
- 7.The amount of fuel that could be saved.
- 8.The driving distance that could be saved.

#### **User Stories**

Use the below template to list all the user stories for the product.

User type	Functional Requirement (EPIC)	User story Number	User story/Task	Acceptance criteria	priority	Release
Admin (who manage web server)	login	USN-1	Ass an admin,I gave user id and pass word for ever workers and manage them.	I can manage web account/dashboard	medium	Sprint-2
Co admin	login	USN-2	ASa Co admin.I am manage garbageget filling alert I will post	I can manage garbage monitoring	high	Sprint-1

			location and garbage id to trash truck			
Truck driver	login	UNS-3	A struck driver,I am follow the route sebd by CO admin to reach the filling garbage.	I can drive to reach the garbage filled route in pulled to	medium	Sprint-2
Local garbage collector	login	UNS-4	As a waste collector, I am collect all there trash from garbage and load into garbage truck and send them to landfillt	I can collect trach and pulled to truck and send off	High	Sprint-2
municipality	login	UNS-5	As municipality, I am check the process are happening In disciplinemanner without any any issues.	I can manage all these process going good.	High	Sprint-2

## FLOW DIAGRAM:

