## Project Design Phase-II Data Flow Diagram & User Stories

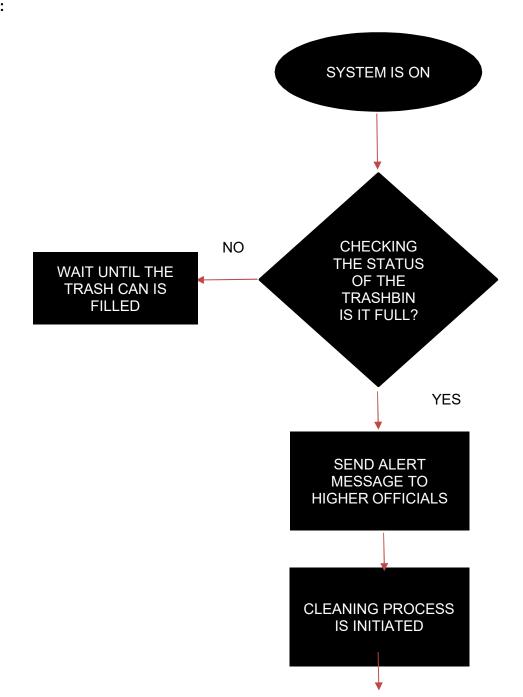
| Date          | 29 October 2022               |  |
|---------------|-------------------------------|--|
| Team ID       | PNT2022TMID54350              |  |
| Project Name  | Smart Waste Management System |  |
|               | For Metropolitan Cities       |  |
| Maximum Marks | 4 Marks                       |  |

## **Data Flow Diagrams:**

A Data Flow Diagram (DFD) 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. It shows how data enters and leaves the system, what changes the information, and where data is stored.

DFD for Smart Waste Management System for Metropolitan Cities

## Example:





## **User Stories:**

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

| User Type                                    | Functional<br>Requirement<br>(Epic) | User Story<br>Number | User Story / Task  | Acceptance criteria   | Priority | Release  |
|--|-------------------------------------|----------------------|--|---|----------|----------|
| Authorized<br>Person<br>(Manages<br>web app) | Login                               | USN-1                | As an authorized person, I gave user id and password for every worker and manage them.   | I can access dashboard of the webpage.  | Medium   | Sprint-2 |
| Admin  | Login                               | USN-2                | As an admin, I will manage garbage level monitor. When garbage gets filling alert, I will post location and garbage Id to trash truck. | I can manage<br>monitoring of the<br>garbage in trash<br>cans.                | High     | Sprint-1 |
| Truck Driver                                 | Login                               | USN-3                | As a driver, I'll follow the route sent by user to reach the filled garbage location.  | I can use the dynamic route provided to drive to the route that is cluttered. | Medium   | Sprint-2 |
| Garbage<br>Collector                         | Login                               | USN-4                | As a garbage collector, I'll collect all the garbage from garbage bin and load it to the truck and send them to landfill.              |   | Medium   | Sprint-2 |
| Municipality                                 | Login                               | USN-5                | As a municipality, I'll check the process are happening in discipline manner without any issues.                                       | I am able to keep everything running smoothly.                                | High     | Sprint-1 |