**Project Design Phase-II**

**Data Flow Diagram & User Stories**

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| **Date** | 03 October 2022 |
| **Team ID** | PNT2022TMID07372 |
| **Project Name** | Project – Smart Waste Management 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.

Ultrasonic sensor

User end cloud based application

Load cell

GPS Tracker

GSM Module

**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 | Login | USN-1 | The admin manages all the details of Garbage bin and workers of each area. | Admin can access the account and dashboard | Medium | Sprint-1 |
|  |  | USN-2 | If anything wrong in the application co admin will take of it. | Authorized person will monitoring the garbage bin | High | Sprint-1 |
| Truck driver | Login | USN-3 | The truck driver should follow  the admin to view the bin level  data and empty them | Driver go to the correct root where the bin is fil | High | Sprint-2 |
| Garbage collector | Login | USN-4 | After a collecting the bin they can report on to the admin through application | Collector collect the garbage from the bin | High | Sprint-3 |
| Municipality  Corporation | Login | USN-5 | In municipality ,they will check if there is any issues in collecting bin | Municipality manages all this task | Medium | Sprint-4 |