Project Design Phase-II
Data Flow Diagram & User Stories

Date	15th October 2022
Team ID	PNT2022TMID24735
Project Name	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.

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 manages server)	Web server login	USN-1	As a admin, I can able to track the truck driver name, id, contact number, location, and also the location of the dustbin.	I can Manage and direct workers through web server	High	Sprint-1
Co-Admin	Login	USN-2	As a co-admin I'll monitor the workers, whether the work has been done properly, checking the availability of workers and also monitor the waste collected by the truck driver within the	I can monitor the garbage bin activity	High	Sprint-1

			scheduled time.			
Customer (Web user)	User	USN-3	As a user , I can able to raise queries to higher authorities about the maintenance and disposal of waste	I can raise queries	Medium	Sprint-2
Customer Care Executive	Worker	USN-4	As a customer care executive I will try to rectify the queries from customers by contacting co-admin. In case of emergency situation query can be reported to Admin.	I can attend calls and respond people and solve their problems	High	Sprint-1
Truck driver	Worker	USN-5	The truck driver is a worker who has been assigned to collect the garbage and he have to report to admin about when and where and also the timings , the garbage has been picked up according the daily schedule.	I will do the work properly and report the data at the scheduled time	High	Sprint-1

user

SMARTPHONE

Google maps to locate the bin

CONTROL CENTRE

Connect with cloud to collect data from smart waste bin

Using level sensor , check and display the level of waste in the bin

Alert message will be received, once the bin reaches the level of garbage

TRUCK DRIVER

Smartphone

Send truck to collect the garbage

Give report to authority about waste has been collected on time.

SMART BIN

SENSOR

IOT

Sends information