Project Design Phase-II
Data Flow Diagram & User Stories

Date	28 June 2025
Team ID	LTVIP2025TMID29321
Project Name	Garbage Management System
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.

Example: [(Simplified)](#)
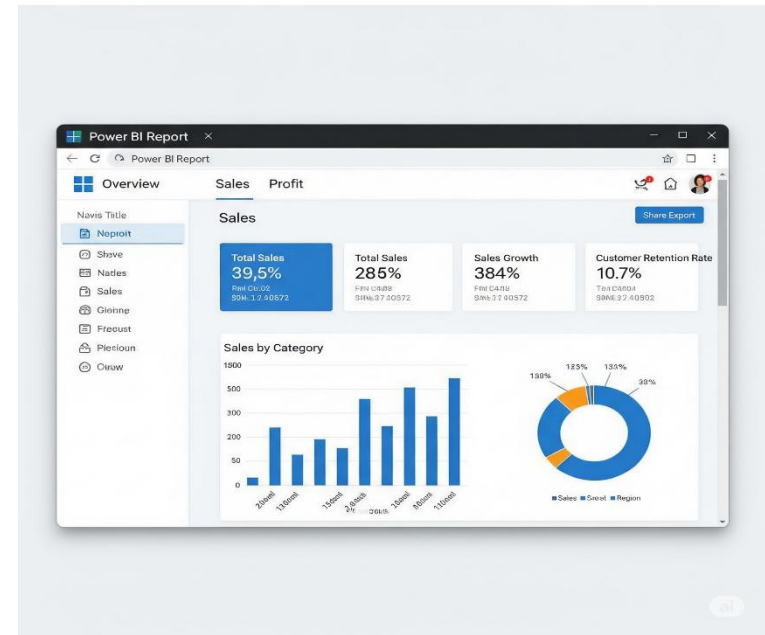
User Stories Table – Smart Garbage Management System (GMS)

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive a confirmation email once I have registered for the application.	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook.	I can register & access the dashboard with Facebook Login	Low	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
		USN-4	As a user, I can register for the application through Gmail.	I can register & access the dashboard with Gmail Login	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password.	I can successfully log in and view my dashboard	High	Sprint-1
	Dashboard	USN-6	As a user, I can see bin statuses, schedule, and submit a pickup request from the dashboard.	I can view fill levels, pickup status, and raise requests	High	Sprint-2
Customer (Web user)	Login	USN-7	As a web user, I can log in through the GMS web portal.	I can access my web dashboard	Medium	Sprint-1
	Complaint Submission	USN-8	As a web user, I can submit complaints regarding missed pickups or overflow.	Complaint is logged and acknowledged via email or message	High	Sprint-2
Customer Care Executive	Ticket Management	USN-9	As an executive, I can view and assign tickets to truck drivers.	Tickets appear in system and can be assigned or escalated	High	Sprint-2
	Dashboard View	USN-10	As an executive, I can monitor current tickets, responses, and statuses in real-time.	Dashboard shows up-to-date ticket flow and status changes	High	Sprint-3
Administrator	User Management	USN-11	As an admin, I can view, block, or delete user accounts.	Admin can perform actions and see confirmation messages	Medium	Sprint-3
	Bin Monitoring Dashboard	USN-12	As an admin, I can view all bins and their real-time status on a city map.	I can zoom, click on bins, and see sensor data	High	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority Release
	Report Generation	USN-13	As an admin, I can generate reports of pickups, complaints, and performance.	I can select date range and download PDF/Excel reports	High