Project Design Phase-II
Data Flow Diagram & User Stories

Date	17 October 2022
Team ID	PNT2022TMID02664
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.
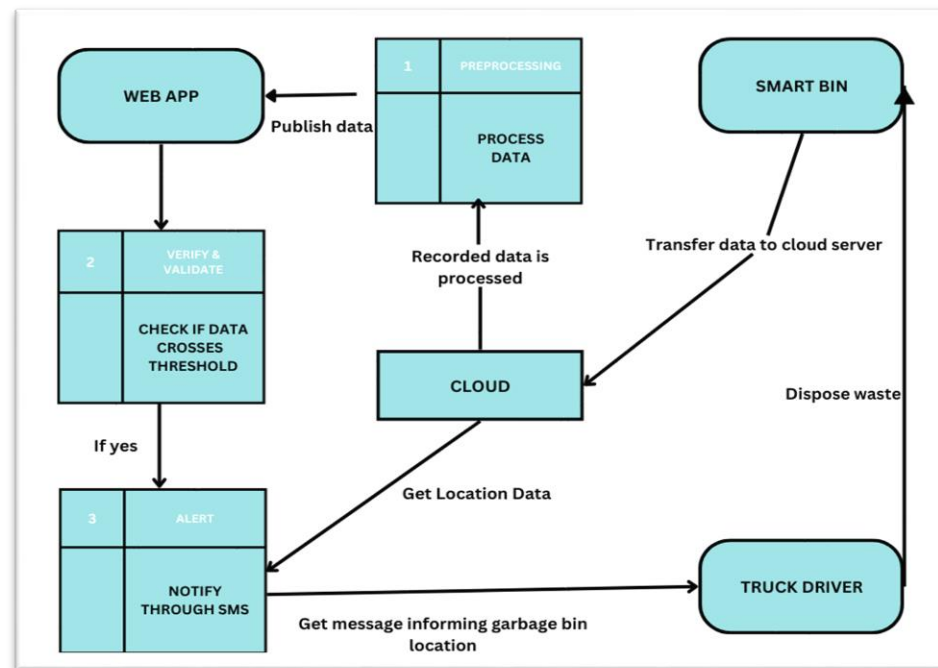
User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Web application user) – Municipality employee	Registration	USN-1	As a user, I can register for the application by entering my employee ID, email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
	Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
	Login	USN-3	As a user, I can log into the application by entering email & password	I can login to the application and access the dashboard.	High	Sprint-1
	Dashboard	USN-4	As a user, I can access all resources in the dashboard.	I can have access to all the features.	High	Sprint-2
	Monitoring	USN-5	As a user, I can monitor the status of the smart bins.	I can now see the bin's garbage level, weight and its location.	High	Sprint-2
	Alerting	USN-6	As a user, I can alert the truck drivers to clear trash by sending the location of bin as SMS.	I can send notification alerts to truck drivers.	High	Sprint-2
Customer (General Public)	Viewing	USN-7	As a user, I can view the status of smart bins at various locations.	I can view information on smart bins without registering.	Medium	Sprint-3
Administrator	Creates and maintains	USN-8	As an admin, I can create and maintain all information about the bins.	I have full access to the application without any access permit.	High	Sprint-3
	Provide credentials	USN-9	As an admin, I can provide or revoke login credentials to the municipality employees.	I can view the status of their login and logout.	Medium	Sprint-3
	Add/Remove/Update smart bins in a locality	USN-10	As an admin, I can add, remove or update any bins in that locality into the system.	I have full accessibility and permission to incorporate or remove bins in the system.	High	Sprint-3