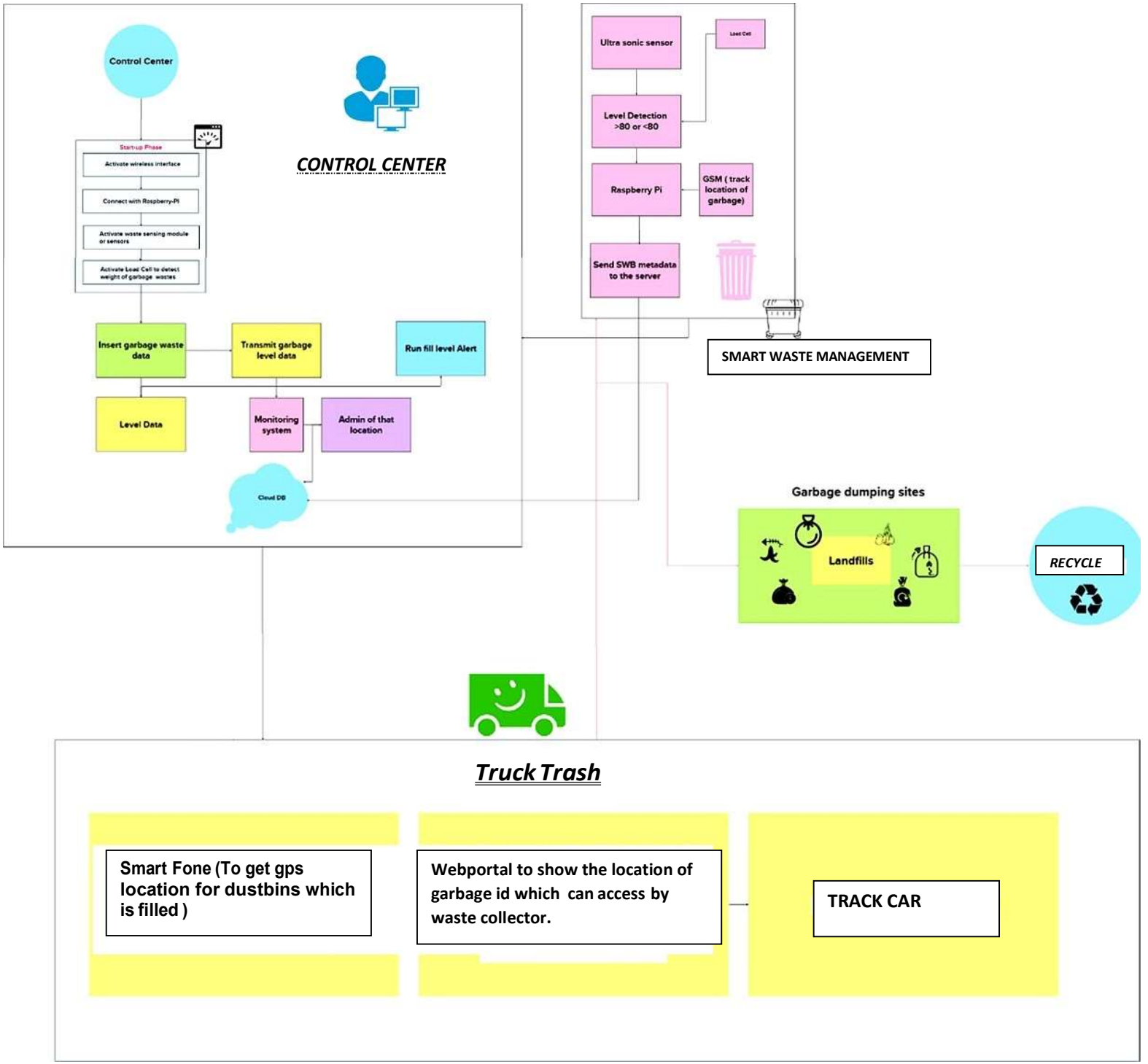
Project Design Phase-II
Data Flow Diagram &User Stories

Date	17 October 2022
Team ID	PNT2022TMID44143
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.


Control Center
CONTROL CENTER
Start-up Phase
Activate wireless interface
Connect with Raspberry-PI
Activate waste sensing module or sensors
Activate Load Cell to detect weight of garbage wastes
Insert garbage waste data
Transmit garbage level data
Run fill level Alert
Level Data
Monitoring system
Admin of that location
Cloud DB
Ultra sonic sensor
Load Cell
Level Detection >80 or <80
Raspberry Pi
GSM (track location of garbage)
Send SWB metadata to the server
SMART WASTE MANAGEMENT
Garbage dumping sites
Landfills
RECYCLE
Truck Trash
Smart Fone (To get gps location for dustbins which is filled)
Webportal to show the location of garbage id which can access by waste collector.
TRACK CAR

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 manage web server)	Login	USN-1	As an Admin, I gave user id and password for ever workers and manage them.	I can access my account / dashboard	Medium	Sprint-2
Co Admin	Login	USN-2	As a Co Admin, I'll manage garbage level monitor .if garbage get filling alert I will post location and garbage e id to trash truck	I can receive confirmation email & click confirm	High	Sprint-1
Truck Driver	Login	USN-3	As Truck Driver, I'll follow the route send by Co Admin to reach the filled garbage	I can register & access the dashboard with Facebook Login	Medium	Sprint-2
Local Garbage Collector	Login	USN-4	As a Waste Collector, I'll collect all the trash from garbage and load into garbage truck and send them to landfill	I can collect trash and pulled to truck and send off	Medium	Sprint-2
Municipality	Login	USN-5	As a Municipality, I'll check the process are happening in discipline manner without any issues.	I can manage all these process going good	High	Sprint-1