

## Project Design Phase-II

### Data Flow Diagram & User Stories

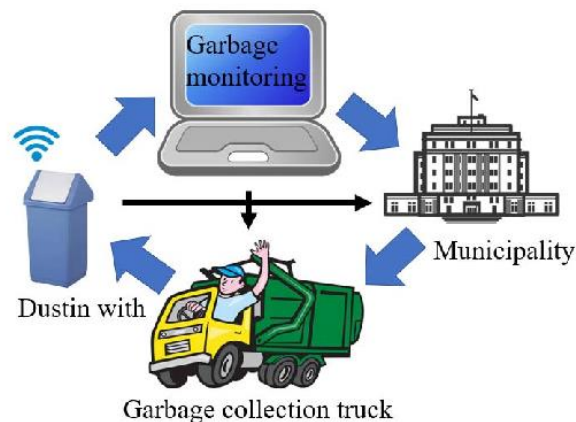
Date	14 October 2022
Team ID	PNT2022TMID04392
Project Name	Project - Smart Waste Management System For Metropolitan Cities
Maximum Marks	4 Marks

#### 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.

### Data Flow Diagram For Smart Cities

The waste in the garbage are monitored by the sensor and send the value to the cloud and the application send the alert to the municipality if the bin was filled and sent the shortest path to collect the garbage



#### BRAINSTORMING AREA

CHECK THE  
BIN STATUS

SEND  
ALERT  
MESSAGE

MONITORING  
THE WASTE

#### NEXT STEPS

ASSIGN  
WORKERS

GET DATA  
FRO STAFF

STORE IT IN  
DATABASE

Edit this template  
Right-click to unlock

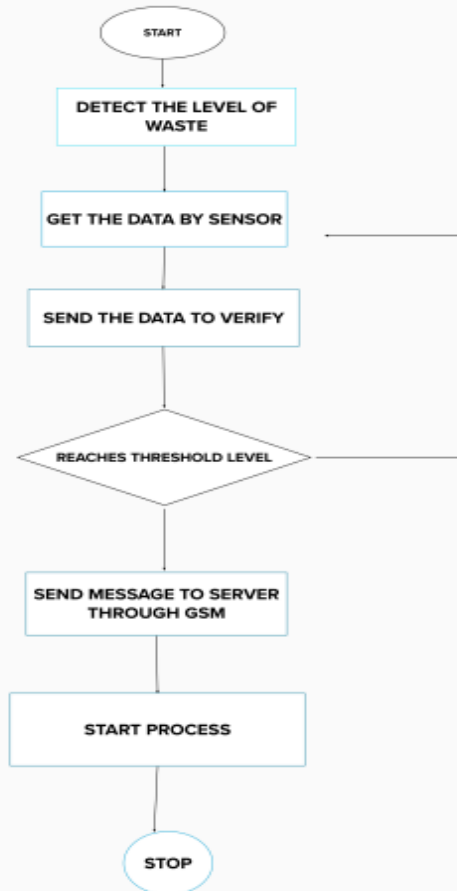
#### FLOW KEY

**Data**  
This small rectangle is used for data that is required frequently or is produced in the process.

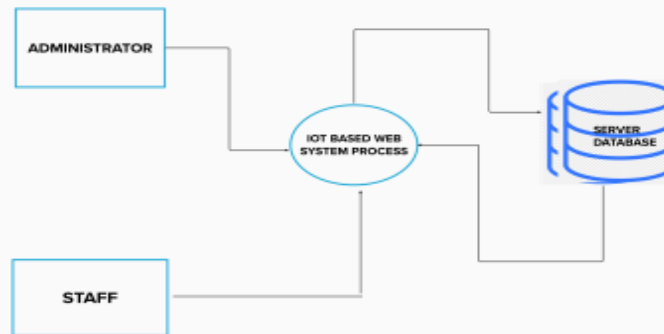
**Process**  
This shape is used for actions or instructions, the things that must be done.

**External entity**  
It is where data comes from or goes to. It is external to the process.

Connects elements of the flow.




#### DFD FOR SENSOR MONITORING




#### DFD FOR WEB SYSTEM PROCESS

#### VISUAL KEY

You can also make your diagrams more engaging by using images and icons!

 Data

 Process

 External entity

Share your feedback

## 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)	Web server login	USN-1	As a admin, I have my user name and password for every worker and co-workers to manage them.	I can manage web account and direct workers.	High	Sprint-1
Co-admin	Login	USN-2	As a co-admin, I'll manage other monitoring activities like garbage level monitoring, location accuracy, garbage separation and removal of waste within a scheduled time.	I can monitor garbage bins activities.	High	Sprint-2
Customer (Web user)	User	USN-3	Here comes the customer, he/she will have access to mobile apps or login web pages to view progress of bins and to report if any query found.	He/ she has the right to make a query if any.	High	Sprint-3
Customer Care Executive	Worker	USN-4	The customer care executive, will try to rectify the queries from customers by contacting co-admin. If case of any critical/ emergency situation query can be conveyed to higher authority.	I can attend calls and respond people by rectifying the problem.	High	Sprint-4
Truck driver	Worker	USN-5	Here, truck driver is a worker who has particular assignments that he has to report when and where the garbage has been picked according to the daily schedule. And should update the happenings in the given website (web page login).	I can update my activities on site when the given task has been completed.	Moderate	Sprint-5

