

Project Design Phase II
Data Flow Diagram and User Stories

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| Date | 18 October 2022 |
| Team ID | PNT2022TMID20668 |
| Project Name | Smart Waste Management for Meteropolitan Cities |
| Maximum Marks | 4 Marks |

User Stories:

| 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 . | I can update my activities on site when the given task has been completed. | Moderate | Sprint-5 |

Smart Waste Management System

For Metropolitan Cities

TEAM ID : PNT2022TMID20668

Visual Template

Visualize data flows and behaviors to explain complex processes

Data Flow Diagram

an approach designed to give you your favorite attributes.

INTRODUCTION

Data flow diagrams are typically used to show the flow of data between different components of a system. They are used to show the flow of data between different components of a system. They are used to show the flow of data between different components of a system.

TOOL TIPS

Create connections at the speed of thought

RESOURCES

INSTRUCTIONS

- Define the process you want to visualize, or use a pre-existing one
- Develop the data flow by using the shapes and connections in the flow
- Adjust and fine tune the data flow
- Review the data flow
- Next Steps

BRAINSTORMING AREA

Reduce time of requests

Group data by type

Get faster data to reach garbage

NEXT STEPS

Turn the garbage into a more efficient system

Move to recycle

Secure the garbage and not let it go to the landfill

FLOW KEY

Visual Key

Share your feedback

Control Center

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 garbage

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

Truck track car