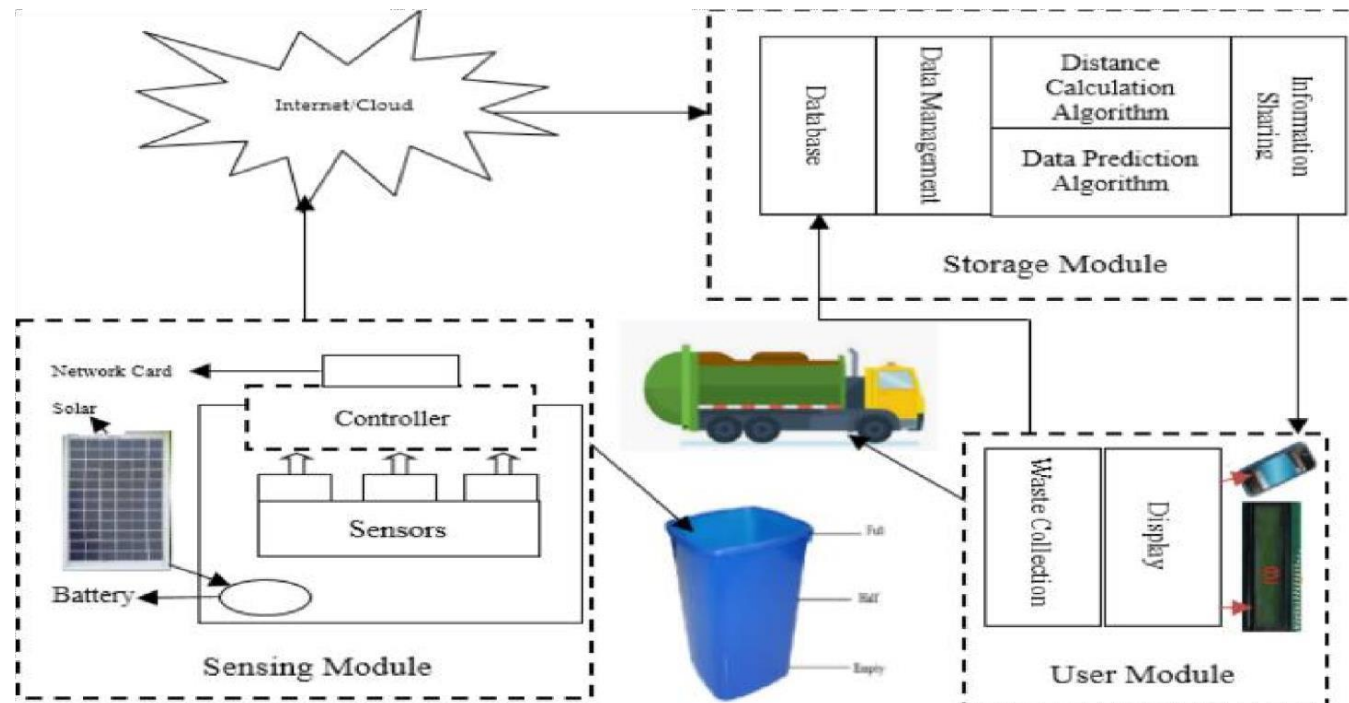


# PROJECT PHASE-II

## DATA FLOW DIAGRAM

**TEAM ID:** PNT2022TMID26064

### Data Flow Diagram:



- 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.
- It shows how data enters and leaves the system, what changes the information, and where data is stored.
- A smart waste management platform uses analytics to translate the data gathered in your bins into actionable insights to help you improve your waste services.

You can receive data on metrics such as:

- ✓ The first test conducted is the situation where the garbage bin is empty or its garbage level is very low.
- ✓ Then, the bin is filled with more garbage until its level has surpassed the first threshold value, which is set to 80% then the first warning SMS is being sent, as depicted.
- ✓ The first notification SMS sent by the system, once the waste reaches the level of 85% full.
- ✓ The second notification SMS sent by the system, indicating that the bin is at least 95% full and the garbage needs to be collected immediately.
- ✓ Locations prone to overflow.

## **User Stories**

<b><i>User Type</i></b>	<b><i>Functional Requirement (Epic)</i></b>	<b><i>User Story Number</i></b>	<b><i>User Story / Task</i></b>	<b><i>Acceptance criteria</i></b>	<b><i>Priority</i></b>	<b><i>Release</i></b>
<i>Admin (Who manage web server)</i>	<i>Login</i>	<i>USN-1</i>	<i>As an admin, I gave user id and password for every workers and manage them.</i>	<i>I can manage web account / dashboard</i>	<i>Medium</i>	<i>Sprint-2</i>
<i>Co Admin</i>	<i>Login</i>	<i>USN-2</i>	<i>As a Co Admin, I'll manage garbage level monitor.If garbage get filling alert I will post location and garbage id to trash truck.</i>	<i>I can manage garbage monitoring</i>	<i>High</i>	<i>Sprint-1</i>
<i>Truck Driver</i>	<i>Login</i>	<i>USN-3</i>	<i>As a Truck Driver, I'll follow the route send by the Co Admin to reach the filled garbage.</i>	<i>I can drive to reach the garbage filled route in shortest route given</i>	<i>Medium</i>	<i>Sprint-2</i>
<i>Local Garbage Collector</i>	<i>Login</i>	<i>USN-4</i>	<i>As a Waste Collector, I'll collect all the trash from garbage and load into garbage truck and send them to Landfill.</i>	<i>I can collect trash and pulled to truck and send off</i>	<i>Medium</i>	<i>Sprint-2</i>
<i>Municipality</i>	<i>Login</i>	<i>USN-5</i>	<i>As a Municipality, I'll check process are happening in discipline manner without any Issues.</i>	<i>I can manage all these process going good</i>	<i>High</i>	<i>Sprint-1</i>