

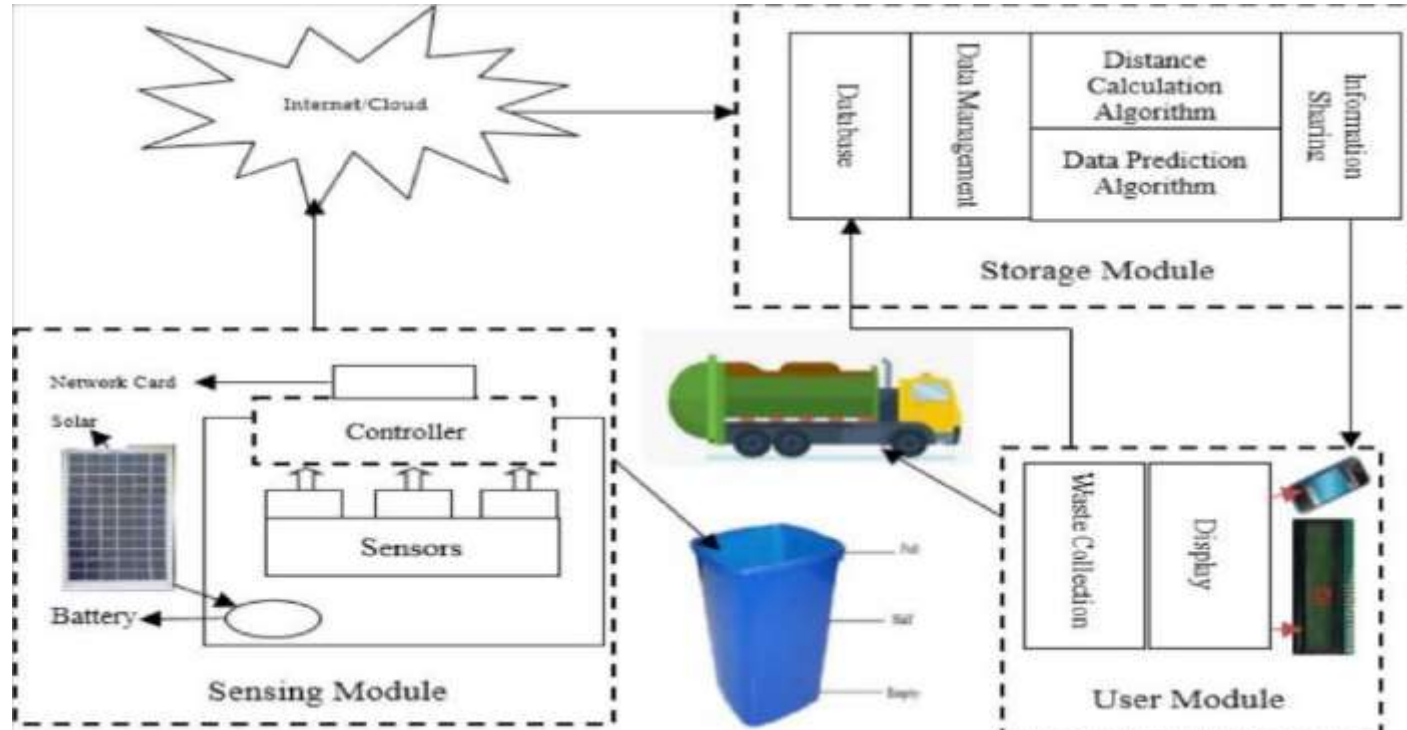
Project Design Phase-II

Data Flow Diagram & User Stories

Team ID: PNT2022TMID05128

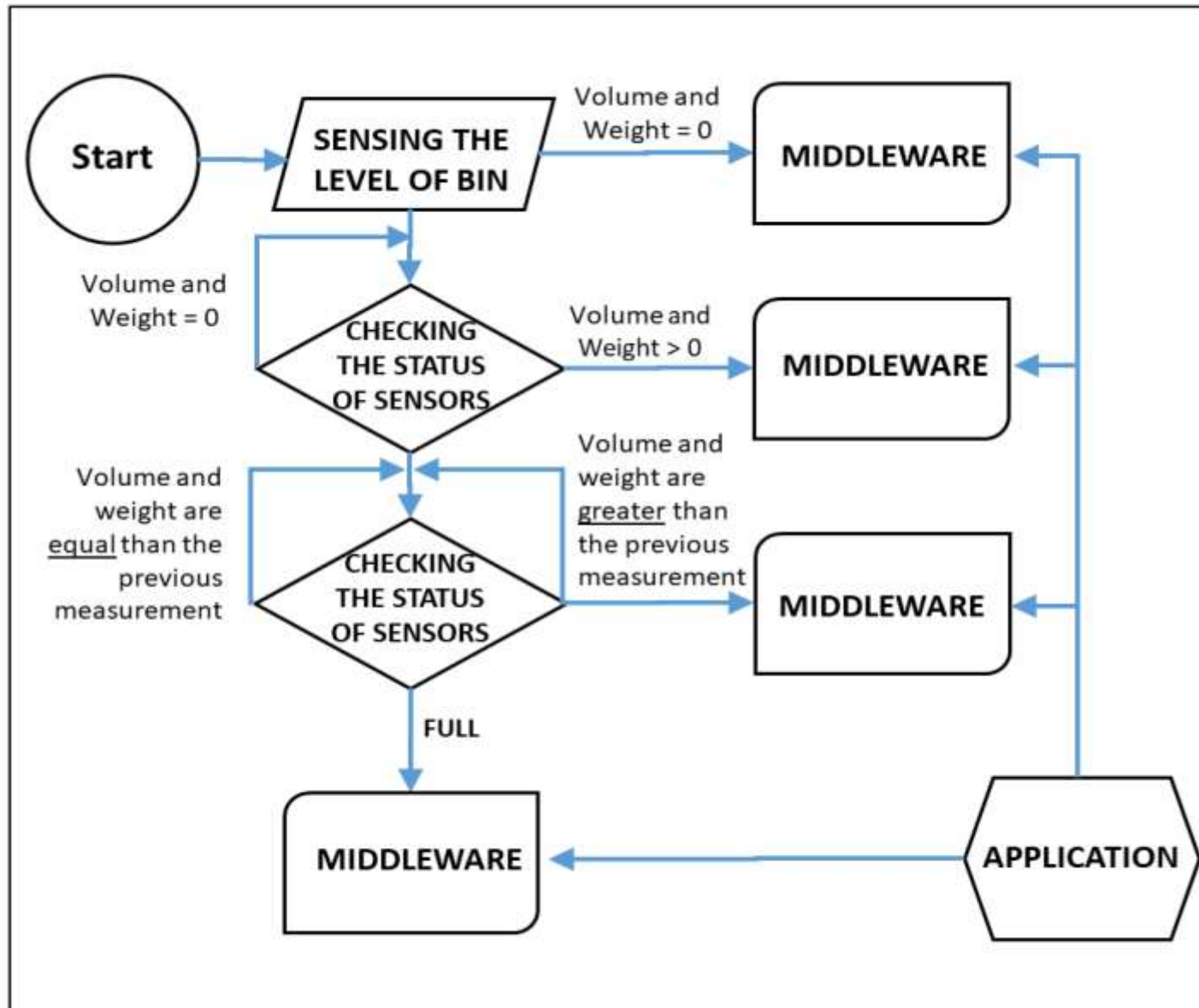
DATE	3 rd NOVEMBER 2022
TEAM ID	PNT2022TMID05359
PROJECT NAME	SMART WASTE MANAGEMENT FOR METROPOLITAN CITIES.
MAXIMUM MARKS	4 MARKS

Data Flow Diagram:



You can receive data on metric 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 bin is at least 95% full and the garbage needs to be collected immediately.*
- ✓ *Locations prone to overflow.*



User Stories

<i>User Type</i>	<i>Functional Requirement (Epic)</i>	<i>User Story Number</i>	<i>User Story / Task</i>	<i>Acceptance criteria</i>	<i>Priority</i>	<i>Release</i>
<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>