

## Project Planning Phase

### Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	31 <sup>st</sup> October 2022
Team ID	PNT2022TMID28587
Project Name	Project- Smart Waste Management System for Metropolitan cities
Maximum Marks	8 Marks

#### Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Weight of the garbage bin	USN-1	This is the first stage in which the weight of the garbage bin is monitored at different location.	2	Medium	Timila R, Sowmiya S
Sprint-1	Level of the garbage bin	USN-2	This is also the first stage in which level of the bin is monitored in different location.	1	High	Kokila Aiswarya M, Ajay Asleen J
Sprint-2	Alerting authorised person	USN-3	An alert message is sent to the authorized person.so that they can empty the filled bins in specified location.	2	High	Timila R, Kokila Aiswarya M, Sowmiya S
Sprint-1	GPS sharing location	USN-4	The concerned authorized person can get to know about the location through GPS location tracking system.	2	High	Sowmiya S, Kokila Aiswarya M, Ajay Asleen J
Sprint-1	Cloud database management	USN-5	The data about the garbage bin details of various locations will be stored in cloud which helps the authorized person to complete their work effectively.	1	High	Timila R, Sowmiya S, Kokila Aiswarya M, Ajay Asleen J

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	20	6 Days	18 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	25 Oct 2022	30 Oct 2022		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		

**Velocity:**

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

BURNDOWN CHART:

10/22/22, 11:16 PM

Burndown Chart - Generated by <https://easyretro.io>

