

Project Planning Phase

Date	6 November 2022
Team ID	PNT2022TMID05191
Project Title	Smart waste management system for metropolitan cities.

- Product Backlog, Sprint Schedule, and Estimation (4 Marks)
- Use the below template to create product backlog and sprint schedule.

<u>Sprint</u>	<u>Functional Requirement (Epic)</u>	<u>User Story Number</u>	<u>User Story / Task</u>	<u>Story Points</u>	<u>Priority</u>	<u>Team Members</u>
Sprint-1	Monitoring	Usn-1	The iot device will monitor the garbage level in trashcans.	20	High	1.Gowtham k 2.Gomathi Shruthy S 3.Jayalakshmi S 4.Keerthi sree R
Sprint 1	Registration	USN-2	As a trashcan monitor I can initialize new trashcans.	20	Low	1.Gowtham k 2.Gomathi Shruthy S 3.Jayalakshmi S 4.Keerthi sree R

Sprint2	Dashboard	USN-3	As an admin, I can monitor every dustbin and its garbage levels	20	High	1.Gowtham k 2.Gomathi Shruthy S 3.Jayalakshmi S 4.Keerthi sree R
Sprint-3	Alert	USN-4	As a Co-Admin, I can send alert message to the truck drivers.	20	High	1.Gowtham k 2.Gomathi Shruthy S 3.Jayalakshmi S 4.Keerthi sree R
Sprint-4	Location View	USN-5	As a trash van driver, I will follow the route to the dustbin.	20	Medium	1.Gowtham k 2.Gomathi Shruthy S 3.Jayalakshmi S 4.Keerthi sree R

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

<u>Sprint</u>	<u>Total Story Points</u>	<u>Duration</u>	<u>Sprint Start Date</u>	<u>Sprint End Date(Planned)</u>	<u>Story Points Completed (as on Planned End Date)</u>	<u>Sprint Release Date (Actual)</u>
Sprint-1	20	10 Days	30 Oct 2022	9 Nov 2022	20	9 Nov2022

Sprint-2	20	10 Days	30 Oct 2022	09 Nov 2022	20	09 Nov 2022
Sprint-3	20	7 Days	5 Nov 2022	11 Nov 2022	20	11 Nov 2022
Sprint-4	20	7 Days	5 Nov 2022	11 Nov 2022	20	11 Nov 2022

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

