

Project Planning Phase

Date	18 NOVEMBER 2022
Team ID	PNT2022TMID07317
Project Name	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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Login	USN-1	As an Administrator, I need to give user id and passcode for every worker over there in municipality	10	High	AARTHI G
Sprint-2	Login	USN-2	As a Co-Admin, I will control the waste level by monitoring them via real time web portal. Once the filling happens, I will notify trash truck with location of bin with bin ID	10	High	DEVIBHARATHI M
Sprint-3	Dashboard	USN-3	As a Truck Driver, I'll follow Co-Admin's Instruction to reach the filling bin in short roots and save time	20	Low	GEVIN G
Sprint-4	Dashboard	USN-4	As a Local Garbage Collector, I'll gather all the waste from the garbage, load it onto a garbage truck, and deliver it to Landfills and also I'll make sure everything is proceeding as planned and without any problems	20	Medium	JEEVA M

Project Tracker, Velocity & Burn down Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	26 Oct 2022	01 Oct 2022	20	01 Nov 2022
Sprint-2	20	6 Days	02 Nov 2022	08 Nov 2022	20	08 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	13 Nov 2022	20	13 Nov 2022
Sprint-4	20	6 Days	13 Nov 2022	19 Nov 2022	20	19 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)

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