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

Date	8 November 2022
Team ID	PNT2022TMID43325
Project Name	Smart waste management system
Maximum Marks	8 Marks

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	Can access his or her account to access site with the given credentials.	15	Medium	Rishikeshav Vipin Saileshwaran
Sprint-1	Admin	USN-2	Monitor the user/customer and other participants in the process of garbage disposal/collection.	10	High	Batul Umayal
Sprint-2	Login	USN-3	Updates the status of the garbage bins once visited.	20	Low	Umayal Batul
Sprint-3	Login	USN-4	As user, they are directed to the work assigned to them in site and take the given route.	20	Medium	Rishikeshav Vipin Saileshwaran
Sprint-4	Login	USN-5	Has the privilege to monitor over the sectors and customers under their control and division.	15	Medium	Batul Umayal Rishikeshav Vipin Saileshwaran

Project Tracker, Velocity & Burndown 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	35	10 Days	22 Oct 2022	31 Oct 2022	35	31 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	15	6 Days	14 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)

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