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

Date	18 October 2022
Team ID	PNT2022TMID03073
Project Name	Project - Smart Waste Management system for Metropolitan cities.
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	As a user, I give a user id and password for every workers and manage them.	20	High	Deepak S
Sprint-1	Login	USN-2	As a co admin, I monitor how wastes are filtering if garbage full, i give id to truck driver.	10	High	Deepak S
Sprint-2	Login	USN-3	As a truck driver, i follow te route send by co admin to collect the garbage.	10	Low	Deepika rani K
Sprint-3	Login	USN-4	As a garbage collector, i collect trash from garbage and load into truck and get them into landfill.	20	Medium	Deva Dharshini S
Sprint-4	Login	USN-5	As a municipality, i enquire te process are done properly.	20	High	Deepak S

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	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	04 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	05 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	06 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)

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