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

Date	10 NOVEMBER 2022
Team ID	PNT2022TMID36201
Project Name	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	Login	USN-1	As an Administrator, I need to give user id and password for ever workers over there in metropolis to work further	10	High	Sathya Priya
Sprint-1	Login	USN-2	As a Co-Admin, I will control the waste level by monitoring them via real time web portal. Once the wastage is filled , I will notify to the trash truck with location of bin with bin ID or number	10	High	Sabarivasan
Sprint-2	Dashboard	USN-3	As a Truck Driver, I will follow Co-Admin's Instruction to reach the filled bin in short roots and save time	20	Low	Sheeba
Sprint-3	Dashboard	USN-4	As a Local Garbage Collector, I will gather all the waste from the garbage, load it onto a garbage truck, and deliver it to Landfills	20	Medium	Snekha
Sprint-4	Dashboard	USN-5	As a Metropolis officer, I will make sure everything is proceeding as planned and without any problems	20	High	Sri Rajam

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	30 Oct 2022	20	01 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	07 Nov 2022	20	08 Nov 2022
Sprint-3	20	6 Days	09 Nov 2022	11 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	18 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)

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