Project Planning Phase
Project Planning (Sprint delivery Plan)

Date	22 October 2022
Team ID	PNT2022TMID05219
Project Name	Project – 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 can have total access to all the Co-Admin and Truck driver and monitor the waste.	20	High	Karkuvel Devi . J
Sprint-2	Login In	USN-2	As a Co-Admin, I'll control the waste level by monitoring them via IBM Iot. Once the filling happens, I'll notify trash truck with location of bin with bin ID.	20	High	Kirantara . B
Sprint-3	Dashboard	USN-3	As a Co-Admin, I will set the Notification process and other management are done.	20	High	Geetanjali Ray
Sprint-4	Dashboard	USN-4	As a Truck Driver, I can able to see the filled dustbin in my Dashboard and empty them.	10	Medium	Pradeep . V
Sprint-4	Dashboard	USN-5	As a Municipality officer I can view all the process is proceeding without any problems.	10	High	Pradeep . V

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	
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	

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)

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