Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID54350
Project Name	Smart Waste Management System forMetropolitan 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, USN-2	With an Executive's perspective, one would be giving User ID and a One Time Password for each and each and every registered worker. The waste is monitored and managed by real time control system and application. The volume is updated and notified.	20	High	Jayashri. B
Sprint-2	Dashboard	USN-3	With a Truck Driver's view, One would be following the Admin's Instruction to reach the filling bin and save time, hence producing a cheaper mode of collection.	20	Low	Charulatha. T. S
Sprint-3	Dashboard	USN-4	With a Local Collector's perspective, one would gather all the waste, load it into the truck, and deliver it to the required place.	20	Medium	Aarthy. D
Sprint-4	Dashboard	USN-5	With an Office's perspective, one would make sure everything is progressing as planned and makes sure it moves without any problem.	20	High	Ananya. M

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	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	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)

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