Project Planning Phase

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

Date	05 November 2022
Team ID	PNT2022TMID51107
Project Name	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 an administrator, I must provide user names and passwords to each employee in the municipality.	10	High	Nhidhees Laksh Kumar, Sai Vishnu, Mugesh, Manojkumar.
Sprint-1	Login	USN-2	As a Co-Admin, I'll keep an eye on the trash level via a real-time online interface. I'll let the trash truck know where the bin is located and its ID after it has been filled.	10	High	Nhidhees Laksh Kumar, Sai Vishnu, Mugesh, Manojkumar.
Sprint-2	Dashboard	USN-3	As a Truck Driver, I'll follow Co-Admin's Instruction to reach the filling bin in short roots and save time	20	Low	Nhidhees Laksh Kumar, Sai Vishnu, Mugesh, Manojkumar.
Sprint-3	Dashboard	USN-4	I collect all the waste from the garbage as a local garbage collector, load it onto a garbage truck, and bring it to landfills.	20	Medium	SaiVishnu, Nhidhees Laksh Kumar, Mugesh, Manojkumar.
Sprint-4	Dashboard	USN-5	I'll make sure everything is going as planned and without any issues as a Municipality official.	20	High	Nhidhees Laksh Kumar, Sai Vishnu, Mugesh, Manojkumar.

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)

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