Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID45346
Project Name	Project – SMART WASTE MANAGEMENT SYSTEM
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	Sub-Admin Login	USN-1	As a Regional admin, I can login by entering the ID number, password.	20	High	Ramanan
Sprint-2	User Registration	USN-2	As a user, I will login using the vehicle number, and password.	20	High	Sivaraman
Sprint-3	Dashboard	USN-3	As a admin, I can view the status of each bin in this module. The information is fetched using the API from the IBM cloud.	20	High	Salman Fardeen
Sprint-4	Tracking	USN-4	As a Truck Driver, I can track the dustbin that is filled in my area so that I can navigate to that dustbin to collect the garbage	20	High	Salman Fardeen
Sprint-5	Dashboard	USN-5	As a regional admin, I can check whether the processes are undergone without any problems	20	Low	Shameer Ahamed

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	26 Oct 2022	01 Nov 2022	20	01 Nov 2022
Sprint-2	20	6 Days	02 Oct 2022	08 Nov 2022	20	08 Nov 2022
Sprint-3	20	6 Days	09 Nov 2022	15 Nov 2022	20	15 Nov 2022
Sprint-4	20	6 Days	16 Nov 2022	22 Nov 2022	20	22 Nov 2022
Sprint-5	20	6 Days	22 Nov 2022	28 Nov 2022	20	28 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)

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