Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID38381
Project Name	Project - **Smart Waste Management System For Metropolitan Cities**

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 a Administrator, I need to giveuser id and passcode for every workers over there in municipality	10	High	Nandha kumar P
Sprint-1		USN-2	As a Co-Admin, I'll control the waste level by monitoring them viareal time web portal. Once the filling happens, I'll notify trash truckwith location of bin with bin ID	10	High	Naveen kumar.S
Sprint-2	Dashboard	USN-3	As a Truck Driver, I'll follow Co-Admin's Instruction to reachthe filling bin in short roots and save time	20	Low	Naveen kumar.K
Sprint-3		USN-4	As a User, I can monitor Real time cloud different aspects of bins	5	High	Nandha kumar P
Sprint-4		USN-5	As a Administrator, I can analyse data and user interface. Optimized route for waste collection.	10	Medium	Naveen kumar S
		USN-6	As a Local Garbage Collector, I'll gather all the waste from the garbage, load it onto a garbagetruck, and deliver it to Landfills	20	Medium	Nitheshwar AM
Sprint-1		USN-7	As a Municipality officer, I'll make sure everything is proceeding as planned and without any problems	20	High	Nandha kumar P

Sprint-3	Building of Smart Bins	USN-8	Creation of model and smart dustbin.	10	High	Naveen kumar K
Sprint-2	Testing	USN-9	Testing the performance of model dustbin	5	Low	Nitheshwar AM
Sprint-3	Verification	USN-10	Administrator can completely verify the management system	20	Medium	Nandha kumar P
Sprint-2	Approval	USN-11	After completed, new updated smart system is provided to the customers	10	Low	Naveen kumar S

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint StartDate	Sprint End Date(Planned)	Story Points Completed (ason Planned End Date)	Sprint ReleaseDate (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:

The team's average velocity (AV) per iteration unit (Story points per day)

$$AV = \frac{sprint\ duration}{velocity} = 20/6 = 3.34$$

BURNDOWN CHART