

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

Date	19 OCTOBER 2022
Team ID	PNT2022TMID23556
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 point	Priority	Team members
Sprint-1	Login	USN-1	As a Co-Admin, I'll control the waste level by monitoring them via real time web portal. Once the filling happens, I'll notify trash truck with location of bin with bin ID	10	high	siva
Sprint-2	Dashboard	USN-2	As a Truck Driver, I'll follow Co-Admin's Instruction to reach the filling bin in short routes and save time	20	low	Pream kumar
Sprint-3	Dashboard	USN-3	As a Local Garbage Collector, I'll gather all the waste from the garbage, load it onto a garbage truck, and deliver it to Landfills	20	medium	Venkatesh
Sprint-4	Dashboard	USN-4	As a Municipality officer, I'll make sure everything is proceeding as planned and without any problems	20	high	Mugunthan

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	8 days	24 Oct 2022	02 Nov 2022	20	02 Nov 2022
Sprint -2	20	8 days	02 Nov 2022	10 Nov 2022	20	10 Nov 2022
Sprint -3	20	8 days	10 Nov 2022	18Nov 2022	20	18 Nov 2022
Sprint -4	20	8 days	18 Nov 2022	26 Nov 2022	20	26 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)

$$\begin{aligned} \text{AVERAGE VELOCITY} &= \frac{\text{SPRINT DURATION}}{\text{VELOCITY}} \\ &= \frac{20}{10} \\ &= 2 \end{aligned}$$