

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Team ID	PNT2022TMID20896
Project Name	Project – Smart Waste Management 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	Registration	USN-1	As a user, I will register for the application by entering my E-mail ID, password, and confirming my password	15	High	Lakshmi R
Sprint-1	Log-in	USN-2	As a Co-Admin I will control the waste level by monitoring them via real time web portal. Once the filling happens i will notify the trash truck with location of bin with Bin-ID	10	High	Reshma Srikrishnan
Sprint-2	Dashboard	USN-3	As a Truck driver, i will follow Co-Admin instruction to reach the filling bin and short routes.	20	Low	Swetha S
Sprint-3	Dashboard	USN-4	As a Local garbage collector i will collect all the waste garbage load it in the garbage truck and deliver it to the land fills	20	Medium	Kalpana M
Sprint-4	Dashboard	USN-5	As a Municipality officer i will make sure everything is planned and proceeding in a good way without any issues.	15	High	Reshma Srikrishnan

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)

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