

Project Planning Phase

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

Team ID	PNT2022TMID41546
Project Name	Smart waste management
Maximum	system8 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 a admin, I need to give access to both users and drivers for carrying out the waste management system	20	High	ABINAYA S
Sprint-2	Dashboard	USN-2	As a co-admin, i will manage the user request And allocate, give instructions to drivers	20	Medium	SARANYA V
Sprint-3	Dashboard	USN-3	As a Truck Driver, I'll follow Admin's Instruction to reach the filling bin in short roots and save time	20	Medium	VANISRI K
Sprint-4	Dashboard	USN-4	As a officer. I will take care of reports That are given by both the parties	20	High	RAMANI R

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	14 nov 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	15 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	15 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	17 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)

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