

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

Date	10 November 2022
Team ID	PNT2022TMID11049
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 Points	Priority	Team Members
Sprint-1	Login	USN-1	As an organizer, I need to give user id and passcode for every workers.	10	High	T. Pooja
Sprint-1	Login	USN-2	As a co-organizer, I will control the waste level by monitoring them via real time web portal. once the bin reaches certain level, I will notify trash truck with location of bin.	10	High	P.Ve. Loga priya
Sprint-2	Dashboard	USN-3	As a Garbage disposer, I will follow the Coorganizer's Instruction to reach the filled bins in fastest manner in order to save time.	20	Low	M. Logeswari
Sprint-3	Dashboard	USN-4	As a Trash collector, I will gather all the garbage from the trash bin, load it onto a truck and deliver it to landfills.	20	Medium	T. Preethi
Sprint-4	Dashboard	USN-5	As a team, we will make sure that everything is proceeding as planned without any problems.	20	High	T. Pooja P.Ve. Loga priya M. Logeswari T. Preethi

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	29 Oct 2022	04 Nov 2022	20	04 Nov 2022
Sprint-2	20	6 Days	05 Nov 2022	10 Nov 2022	20	10 Nov 2022
Sprint-3	20	6 Days	12 Nov 2022	17 Nov 2022	20	17 Nov 2022
Sprint-4	20	6 Days	19 Nov 2022	24 Nov 2022	20	24 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)

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