

Project Planning Phase

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

Date	20 October 2022
Team ID	PNT2022TMID30020
Project Name	Signs with smart connectivity for better road safety
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 can register for the application by entering my email, password, and confirming my password.	2	High	Jothika M Arthi A
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Dharani M
Sprint-1		USN-3	As a user, I can register for the application through Facebook	2	Low	Harini M
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Jothika M
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Arthi A
Sprint-1	Dashboard	USN-6	As a user, I can log into the application by entering email & password and access all the resources and services available	2	High	Dharani M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Login	USN-1	As smart waste controller, Admin log into my profile and start monitoring the waste Bins	3	High	Arthi A
Sprint-2	Dashboard	USN-2	Admin receive all the information about bins from web. Whenever the waste bin gets fill, the admin will get the updates.	2	Medium	Jothika M
Sprint-3	Login	USN-1	Using sensors the bin will be monitored and information from the sensor is used to track the bin based on whether the bin is filled or not	3	High	Harini M
Sprint-3	Dashboard	USN-2	If the bin gets filled the corresponding persons is send to the area to remove the waste from bins	2	Medium	Dharani M
Sprint-4	Login	USN-1	To maintain a clean city we will place more bins where there peoples produce more waste like urban areas	3	High	Jothika M Dharani M
Sprint-4	Login	USN-1	As an administrator, I ensure that all departments work co-ordinated and ensure the clean and green city.	2	Medium	Harini M

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)

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