

## Project Planning Phase

Date	1 November 2022
Team ID	PNT2022TMID08724
Project Name	Smart waste management system
Maximum Marks	8Marks

### Product Backlog, Sprint Schedule and Estimation(4Marks)

Use the below template to create product back log 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 software developer, I will reduce the complexity of the website and make it easy to municipality offices to look the status of the bin's	20	High	Moneshwar
Sprint-2	Dashboard	USN-2	As a IOT developer, I will develop an integration system of sensors and micro controller which sense and send the information to the server/website.	20	High	Ramanathan
Sprint-3	Dashboard	USN-3	As a developer, I will collect the location of the filled bin and with the help of the GPS, I will send the location to the server and the truck driver.	20	High	Vivin Rosan
Sprint-4	Dashboard	USN-4	As a testing engineer, I will test every aspects of software and hardware implementations and sort out any errors.	20	High	Arunachalam

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### Project Tracker, Velocity & Burndown Chart:(4Marks)

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	6Days	1Nov2022	5Nov2022	20	52022
Sprint-2	20	6Days	6Nov2022	10Nov2022	20	10Nov2022
Sprint-3	20	6Days	11Nov2022	15Nov2022	20	15Nov2022
Sprint-4	20	6Days	16Nov 2022	19Nov2022	20	19Nov2022

#### Velocity:

Imagine we have a 20-daysprint duration and the velocity of the team is 20 (points pers print). Let's calculate the team's average velocity (AV) and per iteration unit (story points per day)

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