Project Planning Phase

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

Date	**18 October 2022**
Team ID	**PNT2022TMID45478**
Project Name	**Smart waste management in 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 a Administrator, I need to give user id and passcode for ever workers over there in municipality	10	High	Aravind
Sprint-1	Login	USN-2	As a Co-Admin, I'll control the waste level by monitoring them via real time web portal. Oncethe filling happens, I'll notify trash truck with location of bin with bin ID	10	High	Mohamed Thalif
Sprint-2	Dashboard	USN-3	As a Truck Driver, I'll follow Co-Admin Instruction to reach the filling bin in short roots and save time	20	Low	Vetrisekaran
Sprint-3	Dashboard	USN-4	As a Local Garbage Collector, I'll gather all the waste from the garbage, load it onto a garbagetruck, and deliver it to Landfills	20	Medium	Mohanraj
Sprint-4	Dashboard	USN-5	As a Municipality officer, I'll make sure everything is proceeding as planned and without any problems	20	High	Aravind

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 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)

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