Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID19083
Project Name	Smart waste management system 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, need to give user id and pass code for ever workers in the municipality.	10	High	Srimathi
Sprint-2	Login	USN-2	As a Co-Admin, I will control the waste level by monitoring them via the real time web portal. Once the filling happens, it notifies trash truck with location of bin with bin ID	10	High	Sindhu
Sprint-3	Dashboard	USN-3	As a Truck Driver, I will follow Co-Admin's Instruction to reach the filling bin in short roots and save time.	20	Low	Sajetha
Sprint-4	Dashboard	USN-4	As a Local Garbage Collector, I will gather all the waste from the garbage, load it onto a garbage truck, and deliver it to Landfills.	20	Medium	Sasirekha

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)

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