Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID11434
Project Name	Project – 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 Admin, I need to give access for every workers in the municipality.	20	High	K.A.D.Swedhika
Sprint-1	Login	USN-2	As Co-Admin, I'll control the garbage level by monitoring through website. Once the bin is filled it will be notified to a trash truck connecting with their location.	10	High	K.R.Shalini
Sprint-2	Dashboard	USN-3	As a Truck Driver, I'll follow Co-Admin's instructions to reach the bins with help of location and save time.	20	Low	G.S.Veboosita
Sprint-3	Dashboard	USN-4	As a Garbage Collector, I'll collect all the garbage and load them in a trash truck and deliver to the landfills.	20	Medium	G.S.Veboosita
Sprint-4	Dashboard		As Municipality Officer, I'll confirm whether everything is processed without any issues.	20	High	S.Santhya

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)

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

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.