Project Planning Phase

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

Date	28 October 2022
Team ID	PNT2022TMID32932
Project Name	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	Registration	USN-1	As a user, I can register for the application by entering my email,password,and confirming my password.	10	High	Shalini
Sprint-1	Login	USN-2	As a user, I will receive confirmation email once I have registered for the application.	10	High	Preethi
Sprint-2	Dashboard	USN-4	As a user, I'll control the waste level by monitoring them via real time web portal.	10	High	Sanmathi
Sprint-2	Notification	USN-4	As a user, once the bin gets filled, I'll notify trash truck with location of bin with bin ID.	10	High	Srividhyasri
Sprint-3	Dashboard	USN-5	As a user , I'II gather all the waste from the garbage bin and load it onto a truck..	10	Medium	Preethi
Sprint-3	Dashboard	USN-6	As a user, I can specify the location to be monitored and to reach the landfills in optimized routes to save time .	10	Medium	Shalini
Sprint-4	Dashboard	USN-7	As a user, I'll make sure everything is proceeding as planned and without any problems.	20	High	Sanmathi

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)

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

AV = 20/6 = 3.33

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.