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

Date	18 October 2022
Team ID	PNT2022TMID22430
Project Name	Project – 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	Registration (User)	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	5	High	Jayasri S
Sprint-1	Registration (User)	USN-2	As a user, I will receive confirmation email once I have registered for the application	5	Low	Yogarani S
Sprint-1	Admin Registration	USN-3	As a admin (Municipality worker- truck driver), I can register by entering name and email	5	High	Kotteshwari and Sai Sharanya
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	5	High	Kalyana sundari
Sprint-2	Dashboard	USN-5	As a user, I can explore the features in the dashboard.	20	High	Jayasri, Yogarani and Kalyana sundari
Sprint-3	Cloud registration	USN-6	As a admin I will create a cloud account to store the details of the bin	10	High	Kotteshwari
Sprint-3	Monitoring	USN-7	Collect the details of bin and save in cloud	10	Medium	Sai Sharanya

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Testing	USN-8	Perform User acceptance testing and collect feedback and improvements needed in the project	20	High	Jayasri, Yogarani, Kalyana sundari, Kotteshwari and Sai Sharanya

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	31 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	07 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	14 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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation