Project Planning Phase
Project Planning (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	**28 October 2022**
Team ID	PNT2022TMID51935
Project Name	SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES - IOT
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	Sign up / Sign in	USN - 1	User can signup using their email and password and confirm the details.	10	High	SELVANAYAGAN P
Sprint-1		USN - 2	A confirmation mail is sent to the user.	10	High	
Sprint-2	Login	USN - 3	User can login using login credentials and is authenticated.	20	Low	SATHYA NARAYANA SAMY P
Sprint-3	Dashboard	USN - 4	User can view the previous login activities of the account and updates.	10	Medium	SUBHIKSHA RS
Sprint - 4	Search Location	USN - 5	User can search for the bins available around the location.	10	High	SURESH KUMAR
Sprint - 4	Results / Grievances	USN - 6	User can post their grievances related to the bins and gets the results of bin status around the location from IBM Cloud.	10	High	VIBHEESH N

Project Tracker, Velocity & Burndown Chart: (4 Marks)

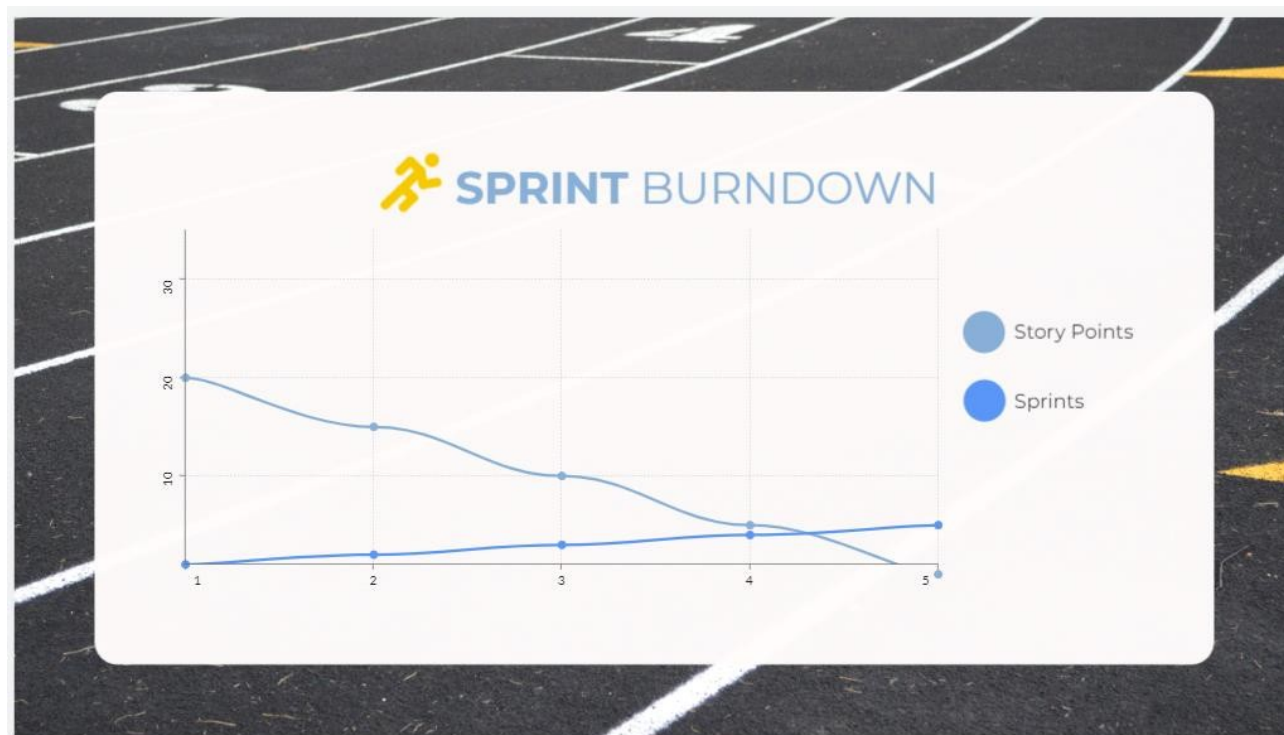| Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	4 Days	26 Oct 2022	29 Oct 2022	20	10 Nov 2022
Sprint-2	20	4 Days	31 Oct 2022	04 Nov 2022	20	15 Nov 2022
Sprint-3	20	4 Days	06 Nov 2022	10 Nov 2022	20	15 Nov 2022
Sprint-4	20	4 Days	12 Nov 2022	16 Nov 2022	20	17 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.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

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