Project Planning Phase

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

Date	**28 October 2022**
Team ID	PNT2022TMID17577
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 a 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	ELAVARASAN K
Sprint-1		USN - 2	A confirmation mail is sent to the user.	10	High	ELAVARASAN K
Sprint-2	Login	USN - 3	The user can log in using login credentials and isauthenticated.	20	Low	GNANAPRABU D
Sprint-3	Dashboard	USN - 4	Users can view the previous login activities of the account and updates.	10	Medium	DEEKSHA S
Sprint - 4	Search Location	USN - 5	Users can search for the bins available aroundthe location.	10	High	KESAVAN M
Sprint - 4	Results / Grievances	USN - 6	Users can post their grievances related to the bins and get the bin status results aroundthe location from IBM Cloud.	10	High	KESAVAN M

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	30 Oct 2022
Sprint-2	20	4 Days	31 Oct 2022	04 Nov 2022	20	05 Nov 2022
Sprint-3	20	4 Days	06 Nov 2022	10 Nov 2022	20	11 Nov 2022
Sprint-4	20	4 Days	12 Nov 2022	16 Nov 2022	20	17 Nov 2022

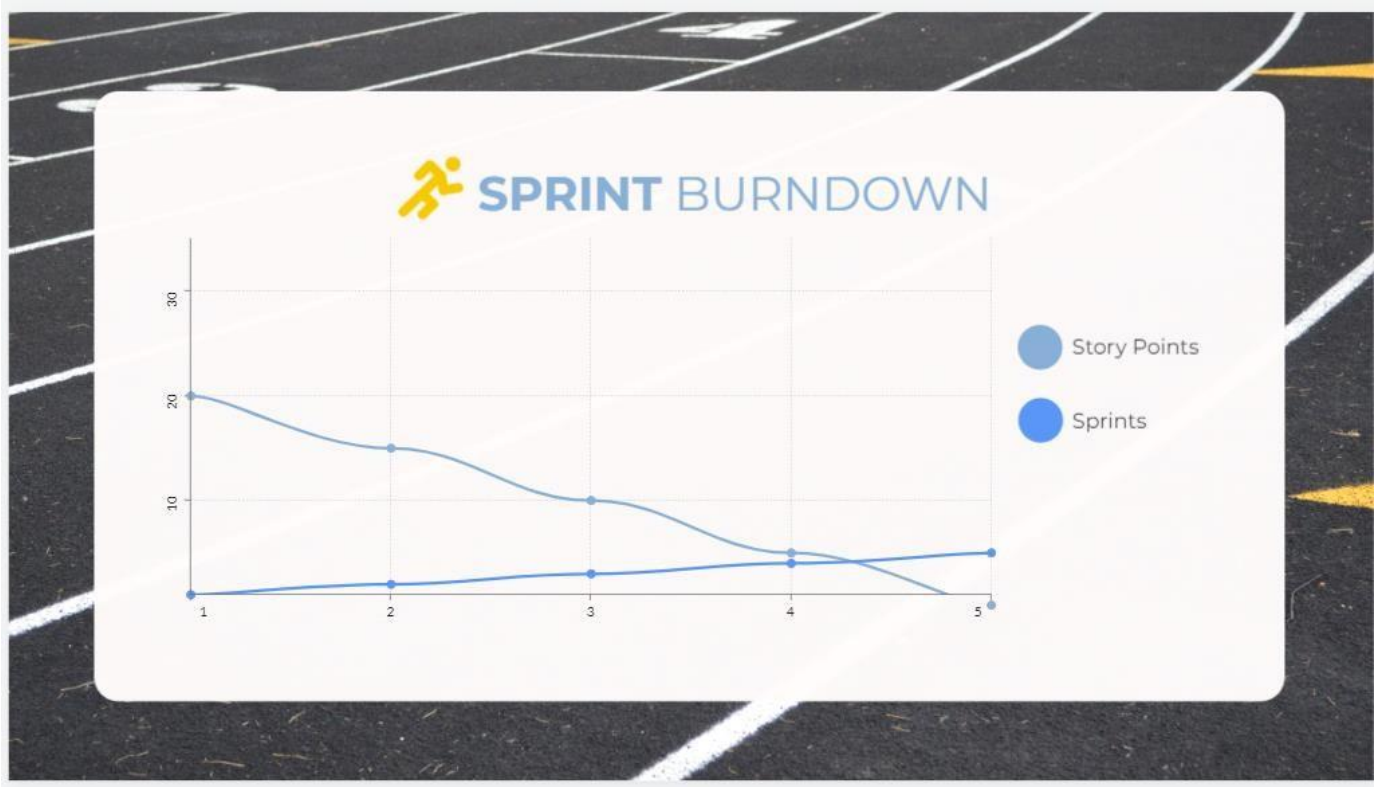
Velocity:

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 burndown 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

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