Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID32675
Project Name	Smart waste management 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

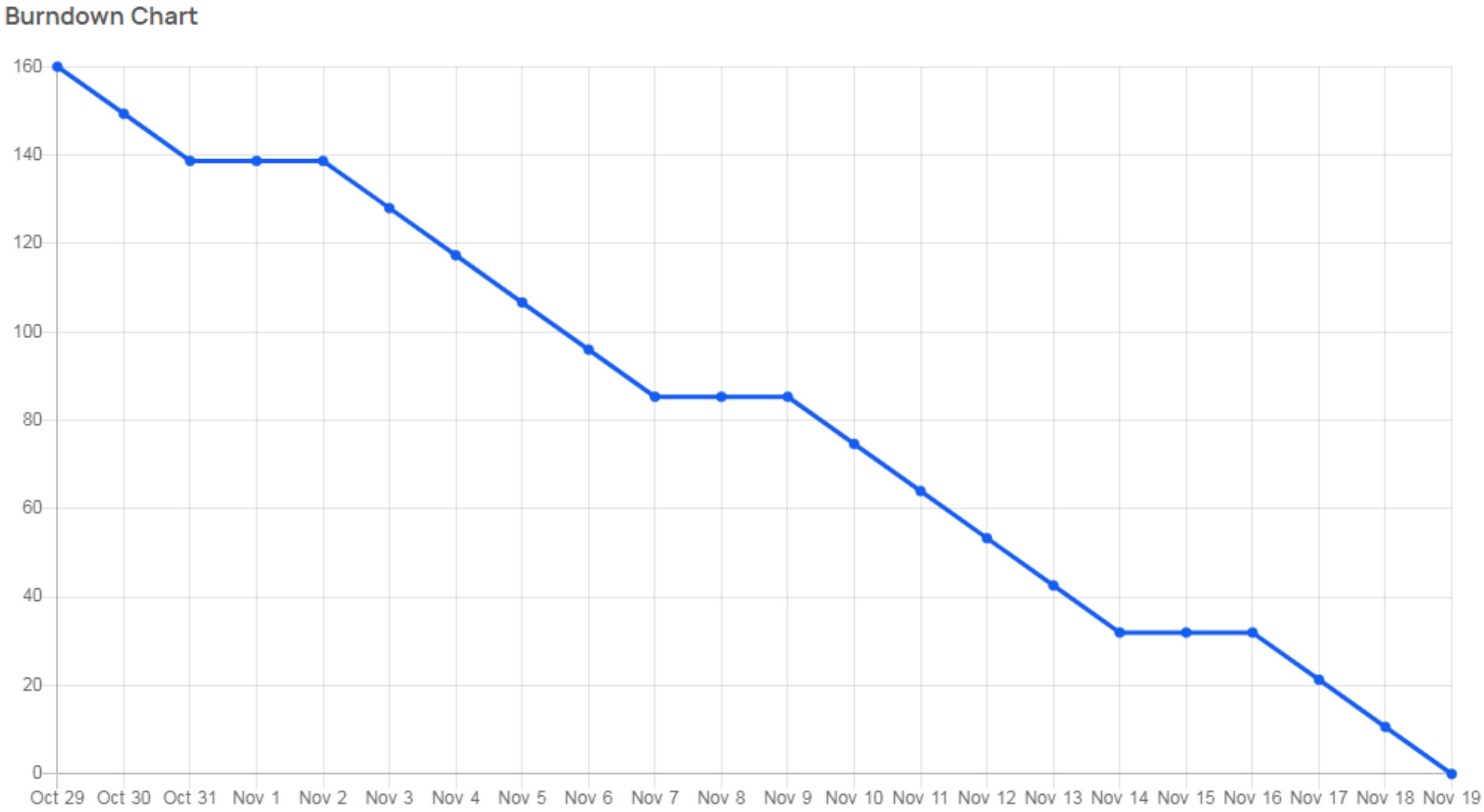
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Designing IoT kit	USN-1	Setting up the IoT device	20	High	Sivaram N, Vinnarasan D, Sanjay kumar S ,Thiyagarajan T.
	Getting Coordinates	USN-2	Adding GPS in it and getting Latitude and Longitude	10	High	Sivaram N, Vinnarasan D, Sanjay kumar S ,Thiyagarajan T.
Sprint-2	Watson IoT Platform	USN-1	Connect the device with Watson Platform	20	High	Sivaram N, Vinnarasan D, Sanjay kumar S ,Thiyagarajan T.
	NodeRed	USN-2	Write the flow for IoT using Node Red	20	High	Sivaram N, Vinnarasan D, Sanjay kumar S ,Thiyagarajan T.
	IBM cloud	USN-3	Store Location in IBM cloud	20	Medium	Sivaram N, Vinnarasan D, Sanjay kumar S ,Thiyagarajan T.
Sprint-3	Register/Login	USN-1	Creating a web UI	10	High	Sivaram N, Vinnarasan D, Sanjay kumar S ,Thiyagarajan T.
	Dashboard	USN-2	Prepare a dashboard to see the current Location	20	High	Sivaram N, Vinnarasan D, Sanjay kumar S ,Thiyagarajan T.

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint 4	Send Notification	USN-2	Send notification to the user	20	High	Sivaram N, Vinnarasan D, Sanjay kumar S ,Thiyagarajan T.

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	30	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	60	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	30	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	40	6 Days	14 Nov 2022	19 Nov 2022		

Burndown Chart :



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)

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