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

Date	18 October 2022
Team ID	PNT2022TMID32677
Project Name	Project – DemandEst – AI Powered Food demand forecasting
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 username and password.	5	High	Ragasudha.S
Sprint-1	Login	USN-2	As a user, I can log into the application by entering email & password	5	High	Ragasudha.S
Sprint -1	Explore	USN-3	As a registered user, I can explore the various options available on the home page.	8	Medium	Ramya.S
Sprint-2	User Manual	USN-4	As a registered user, I can take a tour over the user manual and can understand the functionalities.	5	Low	Sangeetha.R
Sprint-2	Predict	USN-5	As a registered user, I can pay and make predictions on the website.	13	Medium	Ragasudha.S
Sprint-3	Premium membership	USN-6	As a premium user, I can deposit money on the wallet and make use of many discounts available.	5	High	Sridevi.J
Sprint-3	Survey	USN-7	As an administrator , I conduct periodic surveys to keep track of food demands.	13	Medium	Sridevi.J
Sprint-4	Inventory	USN-8	As an administrator , I should be able to alter or delete food options in the list.	13	Medium	Sangeetha.R
Sprint-4	Maintenance	USN-9	As an administrator, I can edit the user's details and premium valet management.	5	High	Ragasudha.S

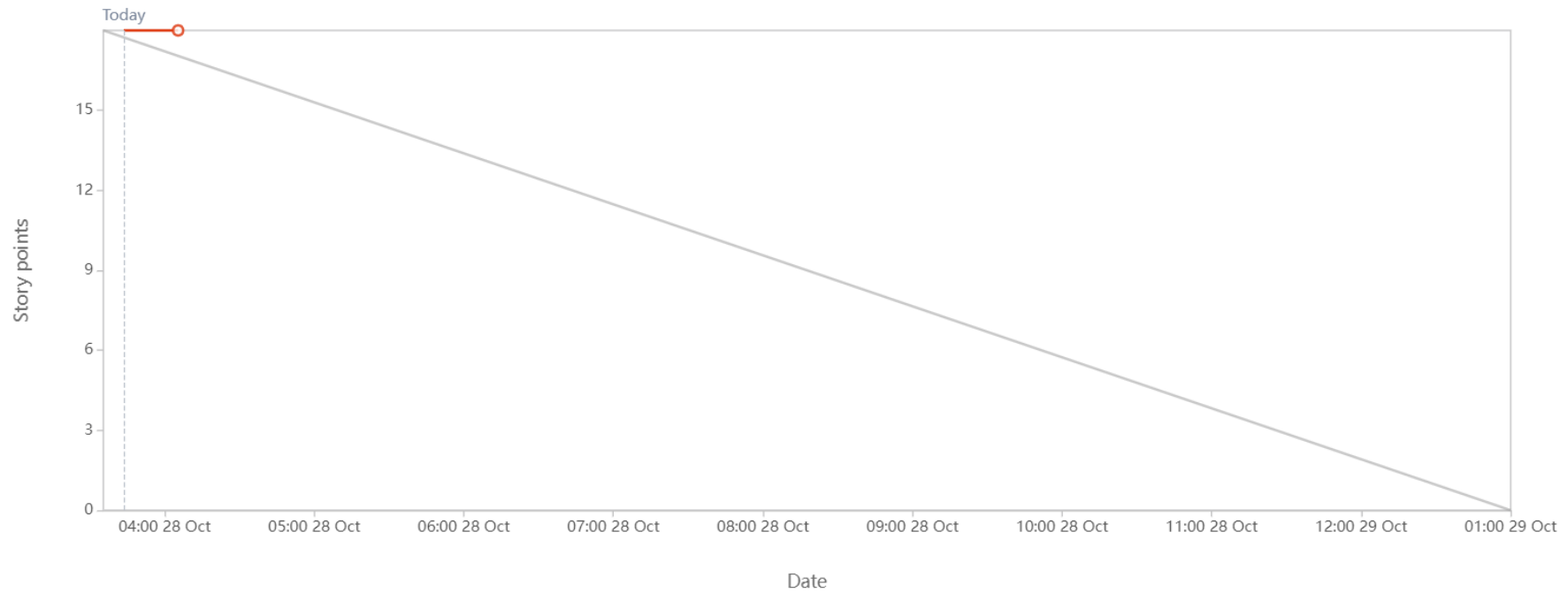**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

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	18	6 Days	24 Oct 2022	29 Oct 2022	18	29 Oct 2022
Sprint-2	18	6 Days	31 Oct 2022	05 Nov 2022	18	31 Oct 2022
Sprint-3	18	6 Days	07 Nov 2022	12 Nov 2022	18	07 Nov 2022
Sprint-4	18	6 Days	14 Nov 2022	19 Nov 2022	18	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)

$$AV = 18/6 = 3$$

Burndown Chart: