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

Date	18 October 2022
Team ID	PNT2022TMID15311
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 to the services provided by entering my username and password.	5	High	Nisshanth.J
Sprint-1	Login	USN-2	User can login to the application anytime using username and password	5	High	Nisshanth.J
Sprint -1	Explore	USN-3	Registered users can explore the various options available on the home page.	10	Medium	Mohamed thanveer Iqbal.V.A.M
Sprint-2	User Manual	USN-4	Registered users can skim over the user manual and can understand the functionalities.	5	Low	Mukesh.C.S
Sprint-2	Predict	USN-5	Registered users can pay and make predictions on the website.	15	Medium	Nisshanth.J
Sprint-3	Premium membership	USN-6	Premium users can deposit money on the wallet in the application and make use of many discounts available.	5	High	Manwin youds singh.A
Sprint-3	Survey	USN-7	Admin conduct periodic surveys to keep track of food demands.	15	Medium	Manwin youds singh.A
Sprint-4	Inventory	USN-8	Admin should be able to alter or delete food options in the list.	15	Medium	Mukesh C.S
Sprint-4	Maintenance	USN-9	Admin can edit the user's details and premium valet management.	5	High	Nisshanth.J

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)

$$AV = 20/10 = 2$$

Burndown Chart: