Project Planning Phase

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

Date	06 November 2022
Team ID	PNT2022TMID01345
Project Name	Project - DemandEst - AI powered Food Demand Forecaster
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.	2	High	MONICA.S
Sprint-1	Login	USN-2	User can login to the application anytime using username and password	1	High	DEVIPRIYA.S
Sprint-2	Explore	USN-3	Registered users can explore the various options available on the home page.	2	Medium	POOJA.E
Sprint-2	User Manual	USN-4	Registered users can skim over the user manual and can understand the functionalities.	2	Low	JAYASRI.S
Sprint-3	Predict	USN-5	As a user, I can log into the application by entering email & password	1	High	MONICA.S
Sprint-3	Survey	USN-6	Admin conduct periodic surveys to keep track of food demands	2	Medium	POOJA.E
Sprint-4	Inventory	USN-7	Admin should be able to alter or delete food options in the list	1	Medium	JAYASRI.S
Sprint-4	Maintenance	USN-8	Admin can edit the user’s details and premium valet management.	2	High	DEVIPRIYA.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	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	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 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: