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

Date	15 November 2022
Team ID	PNT2022TMID39594
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 for the application by entering my email, password, and confirming my password.	2	High	PAVITHRAN P SUGISIVAM M SUKUMAR S
Sprint-1		USN-2	As a user, I will receive confirmation email onceI have registered for the application	1	High	PAVITHRAN P SURIYA KUMAR S SANTHOSH S
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	PAVITHRAN P SUGISIVAM M SUKUMAR S
Sprint-2		USN-4	As a user, I can register for the application through Gmail	2	Medium	PAVITHRAN P SUGISIVAM M SURIYA KUMAR S
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	SUKUMAR S SURIYA KUMAR S SANTHOSH S
Sprint-1	Dashboard	USN-6	As a user, I can access the services and information provided in the dashboard	2	High	PAVITHRAN P SUGISIVAM M SANTHOSH S

Sprint-1	Login	USN-7	As a user, I can log into the web application and access the dashboard	1	High	SUGISIVAM M SURIYA KUMAR S SANTHOSH S
Sprint-4	Helpdesk	USN-8	As a user, I can get the guidance from the customer care	1	High	PAVITHRAN P SUKUMAR S
Sprint-3	Management	USN-9	As an administrator, I can collect new datasetsand keep the model trained	2	High	PAVITHRAN P SUGISIVAM M SUKUMAR S
Sprint-3		USN-10	As an administrator, I can update other featuresof the application	2	Medium	PAVITHRAN P SURIYA KUMAR S SANTHOSH S
Sprint-3		USN-11	As an administrator, I can maintain the information about the user	2	Medium	SUGISIVAM M SUKUMAR S
Sprint-4		USN-12	As an administrator, I can maintain third-party services	1	Low	PAVITHRAN P SUGISIVAM M SANTHOSH 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	7	6 Days	24 Oct 2022	29 Oct 2022	7	29 Oct 2022
Sprint-2	4	6 Days	31 Oct 2022	05 Nov 2022	4	05 Nov 2022
Sprint-3	6	6 Days	07 Nov 2022	12 Nov 2022	6	12 Nov 2022
Sprint-4	2	6 Days	14 Nov 2022	19 Nov 2022	2	19 Nov 2022

Velocity:

Imagine we have a10-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

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

AV (Sprint 1) = 7/6 = 1

AV (Sprint 2) = 4/6 = 1

AV (Sprint 3) = 6/6 = 1

AV (Sprint 4) = 2/6 = 1

AV   (Total)   =   21/24   =   1

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 asScrum. However, burn down charts can be applied to any project containing measurable progress over time.