

PROJECT PLANNING PHASE

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

Date	09 november 2022
Team ID	PNT2022TMID45520
Project Name	Project – AI Powered Food Demand Forecasting
Maximum Marks	8

DemandEst - AI powered Food Demand Forecaster

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	TEAM MEMBERS
Sprint-1	Registraton	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	A.GANESHKUMAR
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	S.HARSHINI
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	M.DHIVYA
Sprint-2		USN-4	s a user, I can register for the application through Gmail	2	S.DINESHKUMAR
Sprint-1		USN-5	As a user, I can log into the application by entering email & password	1	S.DINESHKUMAR
Sprint-1		USN-6	As a user, I can access the services and information provided in the dashboard	2	A.GANESHKUMAR
Sprint-1		USN-7	As a user, I can log into the web application and access the dashboard	1	M.DHIVIYA
Sprint-4		USN-8	As a user, I can get the	1	S.HARSHINI

			guidance from the customer care		
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	TEAM MEMBERS
Sprint-3	Management	USN-9	As an administrator, I can collect new datasets and keep the model trained	2	A.GANESHKUMAR
Sprint-3		USN-10	As an administrator, I can update other features of the application	2	M.DHVIYA
Sprint-3		USN-11	As an administrator, I can maintain the information about the user	2	S.DINESHKUMAR
Sprint-4		USN-12	As an administrator, I can maintain third-party services	4	S.HARSHINI

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	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)

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

$$AV (\text{Sprint 1}) = 7/6 = 1$$

$$AV (\text{Sprint 2}) = 4/6 = 1$$

$$AV (\text{Sprint 3}) = 6/6 = 1$$

$$AV (\text{Sprint 4}) = 2/6 = 1$$

$$AV (\text{Total}) = 21/24 = 1$$

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

