

PROJECT PLANNING PHASE

Project Planning (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 prediction

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	TEAM MEMBERS
Sprint-3	home	USN-1	As a user, I can visit for the home page of the food prediction	5	A.GANESHKUMAR
Sprint-3		USN-2	As a user, I can press prediction button	5	S.HARSHINI
Sprint-3	upload	USN-3	As a user, I can visit the web application and access the dashboard	5	M.DHIVYA
Sprint-3		USN-4	As a user, I can enter the information for the food prediction	5	S.DINESHKUMAR
Sprint-3		USN-5	As a user, I can visit the web application and access the dashboard	5	M.DHIVIYA
Sprint	Functional Requirement	User Story Number	User Story / Task	Story Points	TEAM MEMBERS

	nt (Epic)				
Sprint-1	Managem nt	USN-6	As an administrator, I can collect new datasets and keep the model trained	3	A.GANESHKUMAR
Sprint-1		USN-7	As an administrator, I can update other features of the application	3	M.DHVIYA
Sprint-1		USN-8	As an administrator, I can maintain the information about the food prediction	3	S.DINESHKUMAR
Sprint-2		USN-9	As an administrator, I can use different algorithm and choose best algorithm	3	S.HARSHINI
Sprint 2		USN-10	As an administrator ,I can model evaluation and save the model	3	A.GANESHKUMAR
Sprint 2		USN-11	As an administrator , I can prediction the value using the model	3	A.GANESHKUMAR
Sprint 4		USN-12	As an administrator , I can use the Register ibm account	3	S.DHINESHKUMAR
Sprint 4		USN-13	As an administrator, I can the train the ML for ibm	3	M.DHVIYA
Sprint 4		USN-14	As an administrator, I can the integrate flask with scoring end point	3	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	5	6 Days	24 Oct 2022	29 Oct 2022	5	29 Oct 2022
Sprint-2	3	6 Days	31 Oct 2022	05 Nov 2022	3	05 NOV 2022
Sprint-3	3	6 Days	07 Nov 2022	12 Nov 2022	3	12 Nov 2022
Sprint-4	3	6 Days	14 Nov 2022	19 Nov 2022	3	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)

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

$$AV (\text{Sprint 1}) = 5/6 = 1$$

$$AV (\text{Sprint 2}) = 3/6 = 1$$

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

$$AV (\text{Sprint 4}) = 3/6 = 1$$

$$AV (\text{Total}) = 14 / 24 = 1$$

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.

