

## Project Planning Phase

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

Date	07 November 2022
Team ID	PNT2022TMID18078
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	Aadith thillai arasu S Stalin Raj S Pranav S Prathes S
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Aadith thillai arasu S Stalin Raj S Pranav S Prathes S
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Aadith thillai arasu S Stalin Raj S Pranav S Prathes S
Sprint-2		USN-4	As a user, I can register for the application through Gmail	2	Medium	Aadith thillai arasu S Stalin Raj S Pranav S Prathes S
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Aadith thillai arasu S Stalin Raj S Pranav S Prathes S
Sprint-1	Dashboard	USN-6	As a user, I can access the services and information provided in the dashboard	2	High	Aadith thillai arasu S Stalin Raj S Pranav S Prathes S

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Sprint-1	Login	USN-7	As a user, I can log into the web application and access the dashboard	1	High	Aadith thillai arasu S Stalin Raj S Pranav S Prathes S
Sprint-4	Helpdesk	USN-8	As a user, I can get the guidance from the customer care	1	High	Aadith thillai arasu S Stalin Raj S Pranav S Prathes S
<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
Sprint-3	Management	USN-9	As an administrator, I can collect new datasets and keep the model trained	2	High	Aadith thillai arasu S Stalin Raj S Pranav S Prathes S
Sprint-3		USN-10	As an administrator, I can update other features of the application	2	Medium	Aadith thillai arasu S Stalin Raj S Pranav S Prathes S
Sprint-3		USN-11	As an administrator, I can maintain the information about the user	2	Medium	Aadith thillai arasu S Stalin Raj S Pranav S Prathes S
Sprint-4		USN-12	As an administrator, I can maintain third-party services	1	Low	Aadith thillai arasu S Stalin Raj S Pranav S Prathes 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 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.

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Projects / DemandEst-AI Powered Food Demand Forecaster

### 3 sprints

🔍 👤 Sprint 3 ▾ Clear filters

GROUP BY None ▾ Insights

TO DO 6 OF 11 ISSUES

As a user, I can register for the application through Facebook

■ DAPFDF-6 2 👤

As a user, I can register for the application through Gmail

■ DAPFDF-7 2 👤

As an administrator, I can update other features of the application

■ DAPFDF-8 2 👤

IN PROGRESS

DONE ✓

#### Sprint burndown

BETA ? ▾

0 points done, 4 points to go ⚠️ Heads up

Oct 30 Nov 5

● Remaining work ● Guideline

#### Epic progress

Link epics and estimate issues to drive your big goals

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