

## Project Planning Phase

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

|               |                                                         |
|---------------|---------------------------------------------------------|
| Date          | 22 October 2022                                         |
| Team ID       | PNT2022TMID45092                                        |
| 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     | Naveen S S<br>Sakthi Viknesh C<br>Priyadarshini K<br>Prathiksha A |
| Sprint-1 |                               | USN-2             | As a user, I will receive confirmation email once I have registered for the application                   | 1            | High     | Naveen S S<br>Sakthi Viknesh C<br>Priyadarshini K<br>Prathiksha A |
| Sprint-2 |                               | USN-3             | As a user, I can register for the application through Facebook                                            | 2            | Low      | Naveen S S<br>Sakthi Viknesh C<br>Priyadarshini K<br>Prathiksha A |
| Sprint-2 |                               | USN-4             | As a user, I can register for the application through Gmail                                               | 2            | Medium   | Naveen S S<br>Sakthi Viknesh C<br>Priyadarshini K<br>Prathiksha A |
| Sprint-1 | Login                         | USN-5             | As a user, I can log into the application by entering email & password                                    | 1            | High     | Naveen S S<br>Sakthi Viknesh C<br>Priyadarshini K<br>Prathiksha A |

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|               |                                      |                          |                                                                                       |                     |                 |                                                                   |
|---------------|--------------------------------------|--------------------------|---------------------------------------------------------------------------------------|---------------------|-----------------|-------------------------------------------------------------------|
| Sprint-1      | Dashboard                            | USN-6                    | As a user, I can access the services and<br><br>information provided in the dashboard | 2                   | High            | Naveen S S<br>Sakthi Viknesh C<br>Priyadarshini K<br>Prathiksha A |
| Sprint-1      | Login                                | USN-7                    | As a user, I can log into the web application and access the dashboard                | 1                   | High            | Naveen S S<br>Sakthi Viknesh C<br>Priyadarshini K<br>Prathiksha A |
| Sprint-4      | Helpdesk                             | USN-8                    | As a user, I can get the guidance from the customer care                              | 1                   | High            | Naveen S S Sakthi<br>Viknesh C<br>Priyadarshini K<br>Prathiksha A |
| <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 datasetsand keep the model trained             | 2                   | High            | Naveen S S Sakthi<br>Viknesh C<br>Priyadarshini K<br>Prathiksha A |
| Sprint-3      |                                      | USN-10                   | As an administrator, I can update other featuresof the application                    | 2                   | Medium          | Naveen S S Sakthi<br>Viknesh C<br>Priyadarshini K<br>Prathiksha A |

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|          |  |        |                                                                    |   |        |                                                                   |
|----------|--|--------|--------------------------------------------------------------------|---|--------|-------------------------------------------------------------------|
|          |  |        |                                                                    |   |        |                                                                   |
| Sprint-3 |  | USN-11 | As an administrator, I can maintain the information about the user | 2 | Medium | Naveen S S Sakthi<br>Viknesh C<br>Priyadarshini K<br>Prathiksha A |
| Sprint-4 |  | USN-12 | As an administrator, I can maintain third-party services           | 1 | Low    | Naveen S S Sakthi<br>Viknesh C<br>Priyadarshini K<br>Prathiksha A |

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**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

| <b>Sprint</b> | <b>Total Story Points</b> | <b>Duration</b> | <b>Sprint Start Date</b> | <b>Sprint End Date (Planned)</b> | <b>Story Points Completed (as on Planned End Date)</b> | <b>Sprint Release Date (Actual)</b> |
|---------------|---------------------------|-----------------|--------------------------|----------------------------------|--------------------------------------------------------|-------------------------------------|
| 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

PLANNING

- Roadmap
- Backlog
- Board**

DEVELOPMENT

- Code

Project pages

- Add shortcut
- Project settings

You're in a team-managed project [Learn more](#)

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

100% 80% 60% 40% 20% 0%

Oct 30 Nov 5

● Remaining work ● Guideline

#### Epic progress

Link epics and estimate issues to drive your big goals