

Project Planning Phase

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

| | |
|---------------|---|
| Date | 14 November 2022 |
| Team ID | PNT2022TMID20841 |
| 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 | BHAVANI SREE MERCY MADHUBALA ABINAYA VITHIYA |
| Sprint-1 | | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | BHAVANI SREE MERCY MADHUBALA ABINAYA VITHIYA |
| Sprint-2 | | USN-3 | As a user, I can register for the application through Facebook | 2 | Low | BHAVANI SREE MERCY MADHUBALA ABINAYA VITHIYA |
| Sprint-1 | | USN-4 | As a user, I can register for the application through Gmail | 2 | Medium | BHAVANI SREE MERCY MADHUBALA ABINAYA VITHIYA |
| Sprint-2 | Login | USN-5 | As a user, I can log into the application by entering email & password | 1 | High | BHAVANI SREE MERCY MADHUBALA ABINAYA VITHIYA |

| | | | | | | |
|----------|------------|--------|---|---|--------|---|
| Sprint-2 | Dashboard | USN-5 | As a user, I can access the services and information provided in the dashboard | 2 | High | BHAVANI SREE MERCY MADHUBALA ABINAYA VITHIYA |
| Sprint-2 | Login | USN-7 | As a user, I can log into the web application and access the dashboard | 1 | High | BHAVANI SREE MERCY MADHUBALA ABINAYA VITHIYA |
| Sprint-4 | Helpdesk | USN-8 | As a user, I can get the guidance from the customer feedback. | 1 | High | BHAVANI SREE MERCY MADHUBALA ABINAYA VITHIYA |
| Sprint-3 | Management | USN-9 | As an administrator, I can collect new datasets and keep the model trained and test whether the result is accurate. | 2 | High | BHAVANI SREE MERCY MADHUBALA ABINAYA VITHIYA |
| Sprint-3 | | USN-10 | As an administrator, I can update other features of the application based on the review given. | 2 | Medium | BHAVANI SREE MERCY MADHUBALA ABINAYA VITHIYA |
| Sprint-3 | | USN-11 | As an administrator, I can maintain the information about the user and update if any changes in user details. | 2 | Medium | BHAVANI SREE MERCY MADHUBALA ABINAYA VITHIYA |
| Sprint-4 | | USN-12 | As an administrator, I can maintain third-party services | 1 | Low | BHAVANI SREE MERCY MADHUBALA ABINAYA VITHIYA |

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 | 7 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 7 | 05 Nov 2022 |
| Sprint-3 | 9 | 6 Days | 07 Nov 2022 | 15 Nov 2022 | 9 | 15 Nov 2022 |
| Sprint-4 | 10 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 10 | 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)

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

Burndown Chart:

A burn down 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.

