

Project Planning Phase

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

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| Date | 20 October 2022 |
| Team ID | PNT2022TMID52458 |
| Project Name | Project – Demand Est – AI Powered Food demand forecasting |
| 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 username and password. | 6 | High | Priyadharsan s |
| Sprint-1 | Login | USN-2 | As a user, I can log into the application by entering email & password | 6 | High | Balamanikandan |
| Sprint -1 | Explore | USN-3 | As a registered user, I can explore the various options available on the home page. | 8 | Medium | Kevin C |
| Sprint-2 | User Manual | USN-4 | As a registered user, I can take a tour over the user manual and can understand the functionalities. | 6 | Low | Keerthi vasan B |
| Sprint-2 | Predict | USN-5 | As a registered user, I can pay and make predictions on the website. | 14 | Medium | Harish Babu P |
| Sprint-3 | Premium membership | USN-6 | As a premium user, I can deposit money on the wallet and make use of many discounts available. | 14 | High | Kevin C |

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|----------|-------------|-------|---|----|--------|-----------------|
| Sprint-3 | Survey | USN-7 | As an administrator , I conduct periodic surveys to keep track of food demands. | 6 | Medium | Harish Babu P |
| Sprint-4 | Inventory | USN-8 | As an administrator , I should be able to alter or delete food options in the list. | 13 | Medium | Priyadharsan s |
| Sprint-4 | Maintenance | USN-9 | As an administrator, I can edit the user's details and premium valet management. | 7 | High | Keerthi vasan B |

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 | 20 | 10 Days | 24 Oct 2022 | 3 Nov 2022 | 20 | 3 Nov 2022 |
| Sprint-2 | 20 | 10 Days | 4 Nov 2022 | 14 Nov 2022 | 20 | 14 Nov 2022 |
| Sprint-3 | 20 | 10 Days | 15 Nov 2022 | 25 Nov 2022 | 20 | 25 Nov 2022 |
| Sprint-4 | 20 | 10 Days | 25 Nov 2022 | 5 Dec 2022 | 20 | 5 Dec 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)

$$AV = 20/10 = 2$$

Burndown Chart:

