

Project Planning Phase

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

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|---------------|----------------------------------|
| Date | 30 OCT 2025 |
| Team ID | NM2025TMID02646 |
| Project Name | To Supply Left Over Food To Poor |
| Maximum Marks | 5 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 | Donor Management | USN-1 | As an admin, I can register donors (restaurants, events, households) who want to supply leftover food. | 2 | High | P. Felcita |
| Sprint-1 | NGO/Volunteer Registration | USN-2 | As an admin, I can add NGOs and volunteers who will collect and distribute food. | 2 | High | E. Esakki Akshaya |
| Sprint-2 | Food Listing & Matching System | USN-3 | As a donor, I can list available leftover food, and the system should automatically match it with nearby NGOs/volunteers. | 4 | High | K. Subbulakshmi |
| Sprint-2 | Notification & Tracking | USN-4 | As a tester, I should verify that deletion is blocked for assigned users. As a volunteer, I should receive real-time notifications for pickup and track delivery progress. | 3 | High | N. Subalakshmi |

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|----------|--------------------|-------|---|---|--------|-------------------|
| Sprint-2 | Testing & Feedback | USN-5 | As a tester, I should verify that all modules (donor, NGO, and volunteer) are working correctly and collect feedback for improvement. | 2 | Medium | E. Esakki Akahaya |
| Sprint-3 | Documentation | USN-6 | As a developer, I want to document the architecture, design, and development phases for project submission. | 3 | Medium | P. Felcita |

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 | 6 Days | 20 Sep 2025 | 21 Oct 2025 | 20 | 20 Oct 2025 |
| Sprint-2 | 20 | 6 Days | 24 Sep 2025 | 25 Oct 2025 | 20 | 25 Oct 2025 |
| Sprint-3 | 20 | 6 Days | 27 Sep 2025 | 26 Oct 2025 | 19 | 27 Oct 2025 |
| Sprint-4 | 20 | 6 Days | 30 Sep 2025 | 30 Oct 2025 | 20 | 30 Oct 2025 |

Velocity

Average velocity = (Total Story Points Completed) / (Total Duration in Days)

Total: 16 points over 9 days → **Velocity = 1.78 points/day**

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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

<https://www.atlassian.com/agile/tutorials/burndown-charts>

References

- <https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>
- <https://www.atlassian.com/agile/tutorials/burndown-charts>
- <https://www.atlassian.com/agile/project-management>
- <https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>
- <https://www.atlassian.com/agile/tutorials/epics>
- <https://www.atlassian.com/agile/tutorials/sprints>
- <https://www.atlassian.com/agile/project-management/estimation>