**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 03 July 2025 |
| Team ID | LTVIP2025TMID51444 |
| Project Name | Comprehensive Analysis and Dietary  Strategies with Tableau: A College Food  Choices Case Study |
| Maximum Marks | 5 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

Use the below template to create product backlog and sprint schedule

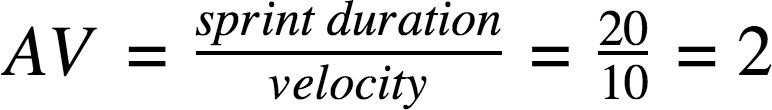
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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Total**  **Story**  **Points** | **Duration** | **Sprint Start Date** | **Sprint End Date (Planned)** | **Story Points**  **Completed (as on**  **Planned End Date)** | **Sprint Release Date (Actual)** |
| Sprint-1 | 7 | 2 Days | 15 June 2025 | 16 June 2025 | 7 | 16 June 2025 |
| Sprint-2 | 6 | 2 Days | 17 June 2025 | 18 June 2025 | 6 | 18 June 2025 |
| Sprint-3 | 5 | 2 Days | 19 June 2025 | 20 June 2025 | 5 | 20 June 2025 |
| Sprint-4 | 4 | 2 Days | 21 June 2025 | 22 June 2025 | 4 | 22 June 2025 |
| Sprint-4 | 3 | 2 Days | 23 June 2025 | 24 June 2025 | 3 | 24 June 2025 |
| Sprint-4 | 5 | 2 Days | 25 June 2025 | 26 June 2025 | 5 | 26 June 2025 |
| Sprint-4 | 2 | 2 Days | 27 June 2025 | 28 June 2025 | 2 | 28 June 2025 |
| Sprint-4 | 1 | 2 Days | 29 June 2025 | 30 June 2025 | 1 | 30 June 2025 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement**  **(Epic)** | **User**  **Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Data  Collection | USN-1 | As a user, I want to collect dietary data of college students through surveys. | 3 | High | Bindusagar |
| Sprint-1 | Data  Cleaning | USN-2 | As a user, I want to clean and preprocess the dietary data using Excel/Python. | 2 | High | Deepthi |
| Sprint-2 | Data  Integration | USN-3 | As a user, I want to integrate dietary data with demographic data for deeper analysis. | 2 | Medium | Bindusagar |
| Sprint-2 | Visualization | USN-4 | As a user, I want to create interactive Tableau dashboards for calorie trends. | 3 | High | Deepthi |
| Sprint-3 | Nutrient  Deficiency  Detection | USN-5 | As a user, I want to identify patterns of nutrient deficiencies among different student groups. | 3 | Medium | Harshitha |
| Sprint-3 | Diet Strategy Generation | USN-6 | As a user, I want to generate dietary improvement strategies based on Tableau insights. | 3 | High | Harshitha |
| Sprint-4 | Report Creation | USN-7 | As a user, I want to compile insights, strategies, and charts into a final report for stakeholders. | 2 | Medium | Bindusagar |
| Sprint-4 | Presentation Preparation | USN-8 | As a user, I want to prepare a final presentation summarizing key findings and strategies. | 2 | Low | Bindusagar |

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

**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)



**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](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum.](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/) 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.visual-paradigm.com/scrum/scrum-burndown-chart/) [**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)

**Reference:** [**https://www.atlassian.com/agile/project-management**](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/how-to-do-scrum-with-jira-software) [**https://www.atlassian.com/agile/tutorials/epics**](https://www.atlassian.com/agile/tutorials/epics) [**https://www.atlassian.com/agile/tutorials/sprints**](https://www.atlassian.com/agile/tutorials/sprints) [**https://www.atlassian.com/agile/project-management/estimation**](https://www.atlassian.com/agile/project-management/estimation) [**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)