**Project Planning Phase**

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

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| --- | --- |
| Date | 26 June 2025 |
| Team ID | LTVIP2025TMID50347 |
| Project Name | Cosmetic insights |
| 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 | Data Collection & Extraction | USN-1 | As a user, I can gather consumer reviews, product ratings, and sales data for cosmetics from multiple sources. | 3 | High | 2 |
| Sprint-1 | Data Cleaning & Preparation | USN-2 | As a user, I can preprocess cosmetic data to remove duplicates, correct missing values, and structure it for analysis. | 3 | High | 2 |
| Sprint-2 | Trend Visualization | USN-3 | As a user, I can visualize consumer preferences and product performance using charts and graphs in Tableau. | 3 | High | 2 |
| Sprint-2 | Real-time Dashboard | USN-4 | As a user, I can view real-time cosmetic trends and analytics via an interactive Tableau dashboard. | 2 | High | 1 |
| Sprint-3 | Predictive Analytics | USN-5 | As a user, I can view predictive trends for product popularity and ingredient interest using machine learning outputs. | 3 | Medium | 2 |
| Sprint-3 | Web Integration | USN-6 | As a user, I can access the Tableau dashboard through an integrated website for broader accessibility. | 2 | Medium | 1 |

**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 | 10 | 6 Days | 5 June 2025 | 11 June 2025 | 10 | 11 June 2025 |
| Sprint-2 | 5 | 6 Days | 12 June 2025 | 17 June 2025 | 5 | 17 June 2025 |
| Sprint-3 | 5 | 6 Days | 18 June 2025 | 23 June 2025 | 5 | 23 June 2025 |
|  |  |  |  |  |  |  |
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**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.atlassian.com/agile/tutorials/burndown-charts>**

**Reference:**

**<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>**

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