

## Project Planning Phase

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

|               |   |
|---------------|---|
| Date          | 29 June 2025  |
| Team ID       | LTVIP2025TMID49662  |
| Project Name  | cosmetic insights: navigating cosmetics trends and consumer insights with tableau |
| 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 | Dashboard                     | USN-1             | As a user, I can view key cosmetics metrics on the dashboard. | 5            | High     | Member A     |
| Sprint-1 | Product Filtering             | USN-2             | As a user, I can filter products by skin type.                | 6            | High     | Member B     |
| Sprint 1 | Data Upload                   | USN-3             | As an admin, I can upload cosmetic product data.              | 4            | Low      | Member C     |
| Sprint-1 | User Profile Setup            | USN-4             | As a user, I can create and edit my skincare profile.         | 5            | Medium   | Member A     |
| Sprint 2 | Skin Type Recommendation      | USN-5             | As a user, I receive recommendations based on my skin type.   | 8            | High     | Member B     |
| Sprint 2 | Brand Popularity Insights     | USN-6             | As a user, I can see trending brands based on user rating.    | 5            | Medium   | Member C     |

|               |                                      |                          |   |                     |                 |                     |
|---------------|--------------------------------------|--------------------------|---|---------------------|-----------------|---------------------|
|               |                                      |                          |   |                     |                 |                     |
| Sprint 2      | Ranking Visualization                | USN-7                    | As a user, I can view product rankings visually.                            | 7                   | Low             | Member A            |
| Sprint 3      | Ingredient Analysis                  | USN-8                    | As a user, I can analyze key ingredients in cosmetics.                      | 6                   | High            | Member B            |
| <b>Sprint</b> | <b>Functional Requirement (Epic)</b> | <b>User Story Number</b> | <b>User Story / Task</b>  | <b>Story Points</b> | <b>Priority</b> | <b>Team Members</b> |
| Sprint 3      | Search Engine                        | USN-9                    | As a user, I can search for a cosmetic product using keywords.              | 6                   | Medium          | Member C            |
| Sprint 3      | Comparison Tool                      | USN-10                   | As a user, I can compare products across brands and ingredients.            | 8                   | Low             | Member A            |
| Sprint 4      | Export Report                        | USN-11                   | As a user, I can download personalized reports of cosmetic recommendations. | 10                  | Medium          | Member B            |
| Sprint 4      | Review Analysis                      | USN-12                   | As a user, I can view sentiment analysis on product reviews.                | 10                  | High            | Member C            |

**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   | 2025-06-01        | 2025-06-06                | 18  | 2025-06-06                   |
| Sprint-2 | 20                 | 6 Days   | 2025-06-07        | 2025-06-12                | 15  | 2025-06-12                   |
| Sprint-3 | 20                 | 6 Days   | 2025-06-13        | 2025-06-18                | 10  | 2025-06-18                   |
| Sprint-4 | 20                 | 6 Days   | 2025-06-19        | 2025-06-24                | 20  | 2025-06-24                   |

### 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)

$$AV = 63/24 = 2.625 \text{ story points per day}$$

### 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 methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

