

## Project Planning Phase

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

|               |   |
|---------------|---|
| Date          | 03 February 2026  |
| Team ID       | LTVIP2026TMIDS24102   |
| Project Name  | Heritage Treasures: An In-Depth Analysis of UNESCO World Heritage Sites |
| Maximum Marks | 8 Marks   |

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

| 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 email, password, and confirming my password. | 2            | High     | UI/Backend Developer             |
| Sprint-1 | Registration                  | USN-2             | As a user, I will receive a confirmation email once I have registered for the application.                | 1            | High     | Backend Developer                |
| Sprint-1 | Registration                  | USN-4             | As a user, I can register for the application through Gmail.  | 2            | Medium   | Backend Developer                |
| Sprint-1 | Login                         | USN-5             | As a user, I can log into the application by entering email & password.                                   | 1            | High     | UI/Backend Developer             |
| Sprint-1 | Dashboard                     | USN-6             | As a user, I can view a dashboard showing the number of UNESCO heritage sites by country.                 | 3            | High     | Data Analyst / Tableau Developer |
| Sprint-1 | Dashboard                     | USN-7             | As a user, I can filter heritage sites by type (Cultural, Natural, Mixed).                                | 2            | High     | Tableau Developer                |

| Sprint   | Functional Requirement (Epic) | User Story Number | User Story / Task   | Story Points | Priority | Team Members                     |
|----------|-------------------------------|-------------------|---|--------------|----------|----------------------------------|
| Sprint-2 | Registration                  | USN-3             | As a user, I can register for the application through Facebook.     | 2            | Low      | Backend Developer                |
| Sprint-2 | Dashboard                     | USN-8             | As a user, I can explore which sites are marked as "In Danger."     | 3            | High     | Tableau Developer                |
| Sprint-2 | Dashboard                     | USN-9             | As a user, I can view regional inscription trends over years.       | 3            | High     | Tableau Developer                |
| Sprint-2 | Dashboard                     | USN-10            | As a user, I can search for a specific heritage site.               | 2            | Medium   | Data Analyst / Tableau Developer |
| Sprint-2 | Mobile Access                 | USN-11            | As a mobile user, I can access the dashboards on my mobile browser. | 2            | High     | Frontend Developer               |

| Sprint   | Functional Requirement (Epic) | User Story Number | User Story / Task   | Story Points | Priority | Team Members                     |
|----------|-------------------------------|-------------------|---|--------------|----------|----------------------------------|
| Sprint-3 | Dashboard                     | USN-12            | As a user, I can view a country-wise ranking of heritage sites (bar chart). | 3            | High     | Tableau Developer                |
| Sprint-3 | Admin Panel                   | USN-13            | As an administrator, I can update heritage site data.                       | 3            | High     | Data Admin / Backend Developer   |
| Sprint-3 | Admin Panel                   | USN-14            | As an administrator, I can manage user access to dashboards.                | 2            | Medium   | Backend Developer                |
| Sprint-3 | Performance                   | USN-15            | As a user, I can access dashboards optimized for fast loading.              | 2            | High     | Data Analyst / Tableau Developer |

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

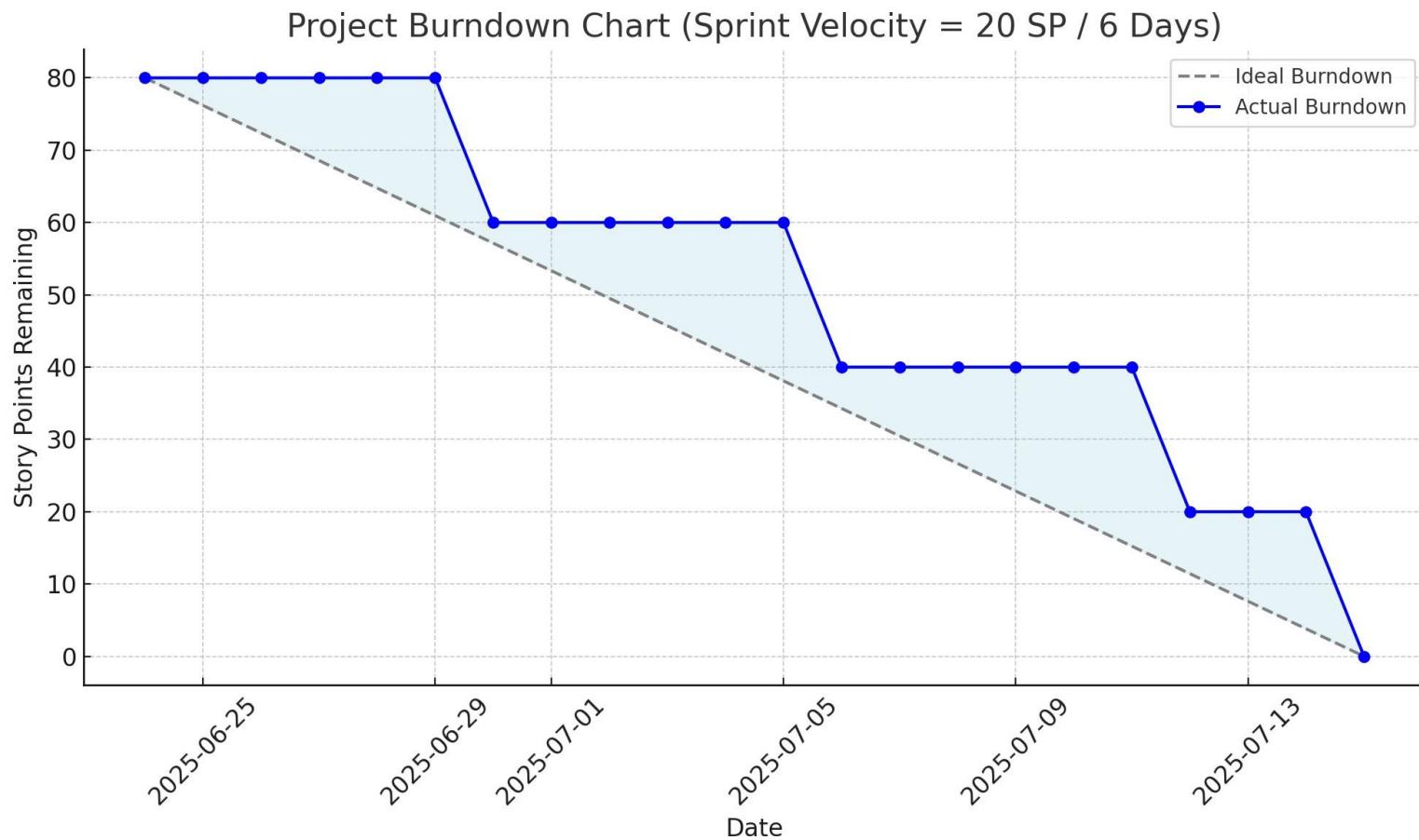
| Sprint   | Total Story Points | Duration | Sprint Start Date | Sprint End Date (Planned) | Story Points Completed (as on Planned End Date) | Sprint Release Date (Actual) |
|----------|--------------------|----------|-------------------|---------------------------|---|------------------------------|
| Sprint-1 | 20                 | 6 Days   | 24-Jun-25         | 29-Jun-25                 | 20  | 29-Jun-25                    |
| Sprint-2 | 20                 | 6 Days   | 30-Jun-25         | 05-Jul-25                 | 20  | 05-Jul-25                    |
| Sprint-3 | 20                 | 6 Days   | 06-Jul-25         | 11-Jul-25                 | 20  | 11-Jul-25                    |

#### 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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

#### Burndown Chart:



**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>