# Project Planning Phase

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

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|---|---|
| Date | 15 February 2025 |
| Team ID | LTVIP2025TMID48209 |
| Project Name | Heritage Treasures |
| 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 & Preparation | USN-1 | As a user, I can view clean data of heritage sites for analysis | 2 | High | Thrishasri, Priya |
| Sprint-1 | Geographic Insights | USN-2 | As a user, I can explore an interactive world map of UNESCO sites | 3 | High | Siva Sai |
| Sprint-2 | Filtering and Interactivity | USN-3 | As a user, I can filter sites by country, continent, and type | 2 | High | Thrishasri |

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| Sprint-2 | Trend Analysis | USN-4 | As a user, I can analyze the number of sites added per year using timeline | 2 | Medium | Priya |
| Sprint-3 | Ranking and Insights | USN-5 | As a user, I can view top 10 countries with the most heritage sites | 1 | Medium | Priya |
| Sprint-3 | Dashboard KPIs | USN-6 | As a user, I can view KPIs like total sites, types, and countries | 2 | High | Thrishasri |
| Sprint-4 | Storytelling | USN-7 | As a user, I can read a story summarizing dashboard insights | 3 | High | Siva Sai, Thrishasri |
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**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 | 5 | 5 Days | 15 June 2025 | 19 June 2025 | 5 | 19 June 2025 |

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|---|---|---|---|---|---|---|
| Sprint-2 | 4 | 4 Days | 20 June 2025 | 23 June 2025 | 4 | 23 June 2025 |
| Sprint-3 | 3 | 3 Days | 24 June 2025 | 26 June 2025 | 3 | 26 June 2025 |
| Sprint-4 | 8 | 2 Days | 27 June 2025 | 28 June 2025 | 8 | 28 June 2025 |
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**Velocity:**
Imagine we have a 14-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)

# Average Velocity = 20 / 14 =1.43/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**

**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**