

## Project Planning Phase

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

Date	26 June 2025
Team ID	LTVIP2025TMID48544
Project Name	Heritage Treasures: An In-Depth Analysis of UNESCO World Heritage Sites in Tableau
Maximum Marks	5 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	Dataset Preparation	USN-1	.As a data analyst, I can clean the heritage dataset by removing null values and fixing column types.	2	High	Vinodh
Sprint-1	Dataset Preparation	USN-2	As a data analyst, I can split and merge columns for better data formatting	2	Medium	Raja sekhar
Sprint-2	Data Visualization	USN-3	As a user, I can view a bar chart showing categories of heritage sites.	2	High	Yaswanth
Sprint-2	Data Visualization	USN-4	As a user, I can view a map showing endangered sites by region.	3	Medium	Sukumar
Sprint-1	Dashboard Interaction	USN-5	As a user, I can log into the application by entering email & password	3	High	Vishnu
Sprint-1	Dashboard Design	USN-6	As a designer, I can create a user-friendly dashboard layout for sharing.	2	Medium	Yaswanth
Sprint-2	Web Integration	USN-7	As a developer, I can integrate the dashboard into a web application using Flask and HTML pages for better accessibility.	3	High	Vinodh

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Reporting & Presentation	USN-8	As a student, I can export dashboard visuals and summary insights for presentation.	2	Medium	Raja sekhar
Sprint-2	Documentation	USN-9	As a team, we can write and compile the project report including experience map, architecture, and performance results.	4	High	All Member

### 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	12	6 Days	19 June 2025	24 June 2025	12	24 June 2022
Sprint-2	20	6 Days	22 June 2025	27 Nov 2025	16	27 June 2025

### Velocity Calculation

- Total Story Points: 28
- Number of Sprints: 2
- Velocity per Sprint =  $28 / 2 = 14$  story points per sprint
- Velocity per Day =  $14 / 6 = 2.33$  story points per day

### Burndown Chart

- Create a line graph with X-axis = Days (1 to 12), Y-axis = Remaining Story Points (starting from 28).
- Plot story point completion across days:
  - Day 0: 28 points
  - Day 3: 14 points remaining

- Day 6: 0 points (Sprint 1 ends)
- Day 9: 14 points remaining
- Day 12: 0 points (Sprint 2 ends)

Use this data to visually track the team's progress over time.

