

Project Planning Phase

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

Date	17 June 2025
Team ID	LTVIP2025TMID51713
Project Name	UNESCO Heritage Sites Analysis Project
Maximum Marks	5 Marks

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

Epic	User Story No.	User Story / Task	Story Points	Priority	Team Members
Dataset Preparation	USN-1	Collect and clean the UNESCO dataset for analysis	3	High	Maddi Santhosh
Exploratory Data Analysis	USN-2	Analyze data for patterns, region-wise distribution and category	2	High	Maddi Santhosh
Visualization Design	USN-3	Design visual dashboards for trends, endangered sites	3	High	Nabiha Noor
Danger Sites Deep-Drive	USN-4	Filter and view details of currently endangered sites	2	Medium	Mekala Keerthi
Criteria-based Analysis	USN-5	Explore which sites meet UNESCO criteria (1-10)	3	Medium	Mekala Keerthi
Reporting	USN-6	Generate a final report summarizing project findi	2	High	Manikanta Swamy Pamarthi
Awareness Phase	USN-7	Provide recommendations to protect endangered	2	Medium	Manikanta Swamy Pamarthi

Project Tracker, Velocity & Burndown Chart (4 Marks)

Sprint	Total Points	Duration	Start Date	End Date (Planned)	Completed Points	Release Date
Sprint-1	8	3 Days	17 June 2025	19 June 2025	8	03 July 2025
Sprint-2	7	3 Days	20 June 2025	22 June 2025	Pending	Pending
Sprint-3	2	4 Days	23 June 2025	27 June 2025	Pending	Pending

### Velocity & Burndown Chart Details:

#### VELOCITY & BURNDOWN CHART DETAILS:

**Sprint-1 Velocity** = 8 story points ÷ 3 days = 2.67 points/day **Sprint-2 Velocity** = 7 story points ÷ 3 days = 2.33 points/day **Sprint-3 Velocity** = 8 story points ÷ 4 days = 2.00 points/day

Average team velocity will be updated after further sprints.

**Velocity:** Total Story Points = 23 Number of Sprints = 3 Team Velocity =  $23 \div 3 = 7.67 \approx 8$  story points per sprint

**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.

- Work Remaining over Time graph will be maintained as per Sprint Progress.
- A visual Burndown Chart will be included in final documentation.

**Expected Progress Tracking:** Day 1-3 (Sprint 1): Complete 8 points → 15 points remaining Day 4-6 (Sprint 2): Complete 7 points → 8 points remaining

Day 7-10 (Sprint 3): Complete 8 points → 0 points remaining

## **SPRINT TASK BREAKDOWN:**

### **Sprint-1 Tasks (June 17-19):**

- USN-1: Collect and clean UNESCO dataset (3 points)
- USN-2: Analyze data patterns and distributions (2 points)
- USN-3: Design visual dashboards (3 points)

### **Sprint-2 Tasks (June 20-22):**

- USN-4: Filter endangered sites details (2 points)
- USN-5: Explore UNESCO criteria analysis (3 points)
- USN-6: Generate final project report (2 points)

### **Sprint-3 Tasks (June 23-27):**

- USN-7: Provide protection recommendations (2 points)
- Integration and testing (3 points)
- Final documentation and demo prep (3 points)

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