Project Planning Phase

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

Date	22 June 2025
Team ID	LTVIP2025TMID49913
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)

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	USN-1	Collect data from heritage site APIs	2	High	Shaik Fathimun -Nisa (TL)
Sprint-1	Data Collection	USN-2	Load data into the system	1	Medium	Vejandla Leela Siva Kumari (TM)
Sprint-1	Data Preprocessing	USN-3	Handle missing data in records	3	High	Shaik Umme Salma (TM)
Sprint-1	Data Preprocessing	USN-4	Encode categorical variables	2	Medium	Shaik Fathimun -Nisa (TL)
Sprint-2	Model Building	USN-5	Train machine learning model on data	5	High	Vejandla Leela Siva Kumari (TM)
Sprint-2	Model Testing	USN-6	Test the performance of the model	3	High	Shaik Umme Salma (TM)
Sprint-2	Deployment	USN-7	Build frontend HTML pages	3	Medium	Shaik Fathimun -Nisa (TL)
Sprint-2	Dployment	USD-8	Deploy the system using flask	5	High	Vejandla Leela Siva Kumari (TM)

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	8	5 Days	1 Jun 2025	5 Jun 2025	8	5 Jun 2025
Sprint-2	16	5 Days	6 Jun 2025	10 Jun 2025	16	10 Jun 2025

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)

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

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