

Project Planning Phase

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

Date	8 February 2026
Team ID	LTVIP2026TMIDS76029
Project Name	Online Payments Fraud Detection using Machine Learning
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	Data Collection	USN-1	As a developer, I will gather the online payments dataset for fraud detection.	2	High	Team
Sprint-1	Data Collection	USN-2	As a developer, I will load the dataset into the system for analysis.	1	High	Team
Sprint-1	Data Preparation	USN-3	As a developer, I will handle missing values in the dataset.	3	High	Team
Sprint-1	Data Preparation	USN-4	As a developer, I will create required fields for model training.	3	Medium	Team
Sprint-1	Data Preparation	USN-5	As a developer, I will handle inconsistencies in transaction data.	3	Medium	Team
Sprint-2	Data Visualization	USN-6	As a developer, I will create bar charts for transaction analysis.	2	Medium	Team
Sprint-2	Data Visualization	USN-7	As a developer, I will create pie charts for fraud distribution.	4	High	Team
Sprint-2	Model Deployment	USN-8	As a developer, I will deploy the trained model using Flask web app.	5	High	Team

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	26 Jan 2026	31 Jan 2026	12	31 Jan 2026
Sprint-2	20	6 Days	2 Feb 2026	7 Feb 2026	20	7 Feb 2026

Velocity:

Imagine we have a 6-day sprint duration, and the velocity of the team is 16 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{16}{6} \approx 2.6$$

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.