Project Planning Phase

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

Date	15 February 2026
Team ID	LTVIP2026TMIDS48224
Project Name	Online Payments Fraud Detection using Machine Learning
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 No.	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Understanding	USN-1	As a developer, I will study the Kaggle fraud dataset and understand all features	3	High	
Sprint-1	Data Preprocessing	USN-2	As a developer, I will clean and preprocess the dataset	5	High	
Sprint-1	Feature Engineering	USN-3	As a developer, I will encode type and select important features	3	High	
Sprint-2	Model Training	USN-4	As a developer, I will train ML models (DT, RF, SVM, XGB)	8	High	
Sprint-2	Model Evaluation	USN-5	As a developer, I will compare accuracies and select best model	5	High	
Sprint-2	Model Saving	USN-6	As a developer, I will save the trained model as model.pkl	2	Medium	
Sprint-3	Flask UI	USN-7	As a user, I can open the web page and enter transaction details	5	High	
Sprint-3	Flask Integration	USN-8	As a system, I will load model.pkl and predict Fraud/Not Fraud	8	High	

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date (Actual)
Sprint-1	15	1 Day	15 Feb 2026	16 Feb 2026	15	15 Feb 2026
Sprint-2	15	1 Day	16 Feb 2026	17 Feb 2026	15	16 Feb 2026
Sprint-3	17	1 Day	17 Feb 2026	18 Feb 2026	17	17 Feb 2026

Velocity:

- ✓ Given a 3-day sprint duration and the completed work across these sprints:
  - Total Story Points Completed: 47
  - Total Duration: 3 days
  - Average Velocity (AV) per day is calculated as:
  - Average Velocity = Total Story Points / Duration

    AV = 47 / 3 ≈ 16 story points per day