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

Date	28th November 2023
Team ID	Team-591971
Project Name	Project - Online Payments Fraud Detection using ML
Maximum Marks	8 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 and Integration	US001	Set up API endpoints for transaction data collection	5	High	Atiksh,Eshanee
Sprint-1	Data collection and Integration	US002	Configure data ingestion from external sources	8	High	Sonu,Atiksh
Sprint-1	Machine Learning Model Development	US003	Prepare historical data for model training	5	High	Sonu,Eshanee

Sprint	Epic / Feature	User Story ID	Description	Story Points	Priority	Assigned To
Sprint-2	Machine Learning Model Development	US004	Train initial machine learning models	8	High	Atiksh,sonu
Sprint-2	Real-Time Monitoring and alerting	US005	Develop real-time transaction monitoring system	8	High	Atiksh,Eshanee
Sprint 2	Real-time monitoring And Alerting	US006	Implement alert notifications for suspicious activities	5	Medium	Atiksh,Sonu
Sprint 3	Behavioral Analytics Implementation	US007	Integrate behavioral analysis algorithms	8	High	Sonu,Eshanee
Sprint 3	Behavioral Analytics Implemetation	US008	Test Behavioral analysis on sample data	5	Medium	Atiksh,Eshanee
Sprint 3	Rules Engine Development	US009	Define initial rules for identifying potential fraud	5	High	Atiksh,Eshanee
Sprint 4	Rules Engine Development	US010	Implement and test rules engine logic	8	High	Atiksh,Eshanee
Sprint 4	User Interface and Reporting	US011	Design user dashboard for flagged transaction	5	Medium	Atiksh,Sonu
Sprint 4	User Interface and Reporting	US012	Develop reporting module for fraud analysis	8	High	Atiksh,Sonu
Sprint 5	Testing, Bug Fixing,	US013	Conduct end-to-end testing of the system	8	High	All team

	Documenation					member
Sprint 5	Testing,Bug Fixing, Documenation	US014	Address and resolve identified bugs and issuess	5	High	All Team member
Sprint 5	Testing,Bug Fixing,Documentation	Us015	Document System architecture and functionality	3	Medium	All Team 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	30	6 Days	24 Oct 2023	29 Oct 2023	28	29 Oct 2023
Sprint-2	35	6 Days	31 Oct 2023	05 Nov 2023	33	31 Oct 2023
Sprint-3	35	6 Days	07 Nov 2023	12 Nov 2023	34	12 Nov 2023
Sprint-4	40	6 Days	14 Nov 2023	19 Nov 2023	38	19 Nov 2023
Sprint-5	30	6 days	23 Nov 2023	29 Nov 2023	28	29 Nov 2023

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:

	90						
	80						
	70						
	60						
	50						
	40						
	30						
	20						
	10						
	0%	Day 1	Day 2	Day 3	Day 4	Day 5	

Actual Effort   Estimated Effort