**Project Planning Phase**

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

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

Use the below template to create product backlog and sprint schedule

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team**  **Members** |
| Sprint-1 | Set-Up Environment |  |  | 1 | High |  |
| Sprint-2 | Data Upload and Model Training | USN-1 | As an e-commerce business owner, I want to upload my transaction data to the system and train a fraud detection model tailored to my business. | 2 | High |  |
| Sprint-2 | Model Selection & Evaluation | USN-2 | As a risk analyst, I want to choose from different machine learning models, adjust model parameters, and evaluate the model's performance to optimize fraud detection. | 2 | High |  |
| Sprint-3 | API Development |  |  | 1 | Medium |  |
| Sprint-4 | Real-time Fraud Prediction | USN-3 | As a customer support agent, I want to use the system to quickly check if a transaction is potentially fraudulent so I can take appropriate action. | 2 | High |  |
| Sprint-4 | Understanding Fraud Predictions | USN-4 | As an online consumer, I want to understand the factors that contributed to a fraud prediction so I can be more aware of potential risks. | 2 | High |  |
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**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

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| --- | --- | --- | --- | --- | --- | --- |
| **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 | 10 | 1 Days | 23 Sept 2024 | 24 Sept 2024 | 10 | 24 Sept 2024 |
| Sprint-2 | 40 | 1 Days | 24 Sept 2024 | 25 Sept 2024 | 40 | 25 Sept 2024 |
| Sprint-3 | 10 | 1 Days | 25 Sept 2024 | 26 Sept 2024 | 10 | 26 Sept 2024 |
| Sprint-4 | 40 | 1 Days | 26 Sept 2024 | 27 Sept 2024 | 40 | 27 Sept 2024 |
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**Velocity:**

Imagine we have a 1-day sprint duration, and the velocity of the team is 25 (avg points per sprint). Let’s calculate the team’s average velocity (AV) per iteration unit (story points per day) =25/1=25