**Initial Project Planning Template**

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| Date | 5 JUNE 2024 |
| Team ID | 739836 |
| Project Name | Predictive Modelling for H1b Visa Approval Using Machine Learning |
| Maximum Marks | 4 Marks |

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

Use the below template to create a product backlog and sprint schedule

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** | **Sprint Start Date** | **Sprint End Date (Planned)** |
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| Sprint-1 | Initial Model Development | USN-1 | As a data engineer, I can collect transactional data from various sources (e.g., bank transactions, online purchases) and ensure it is securely stored. | 2 | High | 2 |  |  |
| Sprint-1 | Model Training | USN-2 | As a data scientist, I can preprocess the collected data, handle missing values, and perform the initial feature engineering. | 1 | High | 2 |  |  |
| Sprint-2 | Model Evaluation and Deployment | USN-3 | As a data scientist, I can train an initial ML model using historical data to detect fraudulent transactions. | 4 | High | 3 |  |  |
| Sprint-1 | Model Deployment | USN-4 | As a data scientist, I can evaluate the trained ML model using a test dataset and measure its performance metrics (e.g., accuracy, precision, recall). | 3 | High | 2 |  |  |
| Sprint-1 | Explanation | USN-5 | As a data scientist, I can monitor the performance of the deployed ML model in real-time and track any changes in accuracy or other performance metrics. | 3 | Medium | 4 |  |  |