**Initial Project Planning Template**

| Date | 12 April 2025 |
| --- | --- |
| Team ID | 144893 |
| Project Name | MangoNet Leaf Disease Detection |
| Maximum Marks | 3 Marks |

**Product Backlog, Sprint Schedule, and Estimation**

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** | **Sprint Start Date** | **Sprint End Date (Planned)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Data Collection | USN-1 | As a user, I want to collect mango leaf images categorized by disease types so that I can train a machine learning model. | 3 | High | Team Member A | 1 March  2025 | 10 March  2025 |
| Sprint-1 | Data Preprocessing | USN-2 | As a user, I want to clean and preprocess image data so that the model can learn effectively. | 2 | High | Team Member B | 12 March  2025 | 20 March 2025 |
| Sprint-2 | Model Development | USN-3 | As a user, I want to build a convolutional neural network (CNN) to classify mango leaf diseases from images. | 4 | High | Team Member C | 22 March 2025 | 30 March 2025 |
| Sprint-2 | Model Evaluation | USN-4 | As a user, I want to evaluate the model’s accuracy and validate it on test data to ensure reliability. | 2 | Medium | Team Member A | 1 April 2025 | 3 April  2025 |
| Sprint-3 | UI for Upload & Result Display | USN-5 | As a user, I want to upload leaf images and get instant predictions and disease information via a web interface. | 3 | High | Team Member B, C | 5 April 2025 | 9 April  2025 |