**Initial Project Planning Template**

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| Date | 10 November 2024 |
| Team ID | team-739757 |
| Project Name | Tomato Plant Disease Detection from Leaf Images using Deep 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)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Image Collection & Preprocessing | USN-1 | As a user, I can upload images of tomato leaves for disease prediction. | 3 | High | B. PapiReddy | 20/10/24 | 20/10/24 |
| Sprint-1 | Image Collection & Preprocessing | USN-2 | As a user, I can receive feedback if the uploaded image quality is too low for accurate prediction. | 2 | Medium | B. PapiReddy | 21/10/24 | 22/10/24 |
| Sprint-2 | |  | | --- | | Model Training |  |  | | --- | |  | | USN-3 | |  | | --- | | As a developer, I can train a deep learning model on collected leaf images to identify disease types. |  |  | | --- | |  | | 5 | High | G. Sushma | 23/10/24 | 25/10/24 |
| Sprint-2 | Model Evaluation | USN-4 | |  | | --- | | As a developer, I can evaluate the model accuracy and fine-tune it for better prediction results. |  |  | | --- | |  | | 3 | |  | | --- | |  |  |  | | --- | | High | | G. Sushma | 25/10/24 | 26/10/24 |
| Sprint-3 | Disease Prediction   |  | | --- | |  |  |  | | --- | |  | | USN-5 | As a user, I can receive the disease diagnosis based on the uploaded leaf image within seconds. I can receive feedback if the uploaded image quality is too low for accurate prediction. | 4 | High | G. Sushma | 27/10/24 | 30/10/24 |
| Sprint-3 | User Interface |  | As a user, I can view a clear interface displaying the disease name. | 3 | Medium | Ch.Sai Charan | 31/10/24 | 5/11/24 |
| Sprint-4 | Reporting & Documentation |  | As a developer, I can generate a report summarizing model performance metrics and user feedback. | 2 | Medium | M.Divya | 6/11/24 | 12/11/24 |