# Initial Project Planning Template

| Date | 01 December 2024 |
|---|---|
| Team ID | 739791 |
| Project Name | Rice Crop Monitoring-Time Series Analysis |
| 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 | Crop Data Collection | USN-1 | As a user, I can upload crop field data to the application for analysis. | 3 | Low | D. Lokesh | 20/10/24 | 20/10/24 |
| Sprint-1 | Crop Data Collection | USN-2 | As a user, I can manually input crop growth stage and field details (e.g., area, location). | 2 | Medium | D. Lokesh | 21/10/24 | 22/10/24 |
| Sprint-2 | Data Preprocessing | USN-3 | As a developer, I have performed data processing actions. | 3 | Medium | Sahil | 23/10/24 | 25/10/24 |
| Sprint-3 | Model Training | USN-4 | As a developer, I can train the model for crop health improvement based on the analysis. | 2 | High | E. Indhu | 23/10/24 | 25/10/24 |
| Sprint-2 | Model Evaluation | | As a developer, I can evaluate the model accuracy and fine-tune it for better prediction results. | 2 | Medium | Sahil | 25/10/24 | 26/10/24 |

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|---|---|---|---|---|---|---|---|---|
| Sprint-3 | Crop Value prediction | | As a user, I can receive the Value based on the production of rice. I can predict the crop production for future. | 3 | Medium | J.Karthikeya | 27/10/24 | 31/10/24 |
| Sprint-3 | User Interface | | As a user, I can clearly view the rice production for the given input year. | 1 | Low | J.Karthikeya | 31/10/24 | 5/11/24 |
| Sprint-4 | Reporting and Analytics | USN-5 | As a developer, I can generate a report summarizing crop performance over a selected time period. | 2 | High | E.Indhu | 6/11/24 | 12/11/24 |