# **Initial Project Planning**

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| Date | 28-07-2025 |
| Team ID | Yashraj Srivastava |
| Project Name | Predicting Plant Growth Stages with Environmental and Management Data Using Power BI |
| Maximum Marks | 4 Marks |

# Product Backlog, Sprint Schedule, and Estimation

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 &  Preparation | USN-1 | As a user, I want the data to be collected from reliable agricultural sources so that it reflects realistic conditions. | 3 | High | Self | 21-  072025 | 21-07-  2025 |
| **Sprint-1** | Data Cleaning | USN-2 | As a user, I want missing and duplicate data to be cleaned, ensuring that the dataset is accurate. | 2 | High | Self | 22-  072025 | 23-07-  2025 |
| **Sprint-2** | Data Modelling | USN-3 | As a user, I want relationships between data tables to be clearly defined, so I can analyse them in Power BI. | 3 | Medium | Self | 24-  072025 | 24-07-  2025 |
| **Sprint-2** | Dashboard Design | USN-4 | As a user, I want to view plant growth performance by soil type, fertilizer, and irrigation via an interactive dashboard. | 4 | High | Self | 24-  072025 | 27-07-  2025 |
| **Sprint-3** | Smart Insights & Recommendation  s | USN-5 | As a user, I want the system to recommend best growth conditions based on key influencers. | 3 | Medium | Self | 27-  072025 | 27-07-  2025 |
| **Sprint-3** | Dashboard Testing | USN-6 | As a user, I want to ensure the dashboard is error-free and filters work as expected. | 2 | Medium | Self | 27-  072025 | 27-07-  2025 |
| **Sprint-4** | Project  Documentation | USN-7 | As a user, I want complete documentatio n for my Power BI solution, so it can be reviewed or reused. | 2 | Medium | Self | 28-  072025 | 28-07-  2025 |
| **Sprint-4** | Final Presentation | USN-8 | As a user, I want a summarized report and visuals to be ready for final evaluation. | 2 | High | Self | 28-  072025 | 28-07-  2025 |