**Initial Project Planning Template**



|  |  |
| --- | --- |
| Date | 1 October 2025 |
| Team ID | xxxxxx |
| Project Name | Global Food Production Trends and Analysis:  A Comprehensive Study from 1961 to 2023 Using Power BI |
| 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 | Data  Collection and  Cleaning | USN-1 | As a user, I want to import global food production datasets into Power BI so that I can analyse them. | 3 | High | Atharva Punasya | 1 OCT  2025 | 2 OCT 2025 |
| Sprint-1 |  | USN-2 | As a user, I want to clean and format data (remove nulls, trim spaces, set correct data types) so that I get accurate results. | 2 | High | Atharva Punasya | 1 OCT  2025 | 2 OCT 2025 |
| Sprint-2 | Data  Modeling | USN-3 | As a user, I want to create relationships between different tables (year, crop type, region) so that I can build meaningful reports. | 3 | High | Atharva Punasya | 3 OCT  2025 | 4 OCT 2025 |



|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** | **Sprint Start Date** | **Sprint End**  **Date**  **(Planned)** |
| Sprint-2 |  | USN-4 | As a user, I want to create calculated columns and measures (yield = production/area) for deeper insights. | 2 | Medium | Atharva Punasya | 3 OCT  2025 | 4 OCT 2025 |
| Sprint-3 | Visualization and Dashboard | USN-5 | As a user, I want to build charts (line, bar, card visuals) for production, yield, and harvested area trends so that I can compare across years. | 3 | High | Atharva Punasya | 5 OCT  2025 | 6 OCT 2025 |
| Sprint-3 |  | USN-6 | As a user, I want to apply filters (by crop, country, year) so that I can drill down into specific insights. | 2 | High | Atharva Punasya | 5 OCT  2025 | 6 OCT 2025 |
| Sprint-4 | Reporting and Insights | USN-7 | As a user, I want to generate a summary report (problem statements, insights, trends) to support decisionmaking. | 2 | High | Atharva Punasya | 7 OCT  2025 | 8 OCT 2025 |
| Sprint-4 |  | USN-8 | As a user, I want to export/share the  Power BI dashboard so that stakeholders can access the insights easily. | 1 | Medium | Atharva Punasya | 7 OCT  2025 | 8 OCT 2025 |