**Project Planning Phase**

**Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)**

|  |  |
| --- | --- |
| Date | 26 June 2025 |
| Team ID | LTVIP2025TMID59656 |
| Project Name | Enchanted Wings: Marvels of Butterfly Species |
| Maximum Marks | 5 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

**Product Backlog & Sprint Schedule**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Member** |
| **Sprint-1** | |  | | --- | | **User Onboarding & Image Upload** | | USN-1 | As a user, I can register and log in securely to upload butterfly images | 3 | High |  |
|  |  | USN-2 | As a user, I can view sample species recognition to understand the system. | 2 | Medium |  |
| **Sprint-2** | **Species Identification Engine** | USN-3 | As a user, I can receive accurate species identification from uploaded butterfly images. | 2 | High |  |
| **Sprint-3** | **Species Profile &** **Insight** | USN-4 | As a researcher, I can explore population and migration trends via predictive analytics. | 3 | High |  |
| **Sprint-4** | **Map Visualization & Public Interaction** | USN-5 | As a user, I can see map-based visualizations of butterfly sightings and hotspots. | 3 | High |  |
|  |  | USN-6 | As a citizen scientist, I can contribute new sightings and confirm species in the field.   |  | | --- | |  | | 2 | Medium |  |

**Project Tracker, Velocity & Burndown Chart**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Total Story Points** | **Duration** | **Sprint Start Date** | **Sprint End Date (Planned)** | **Story Points Completed (as on Planned End Date)** | **Sprint Release Date (Actual)** |
| **Sprint-1** | 20 | 2 Days | 16 June 2025 | 17 june 2025 | 20 | 17 june 2025 |
| **Sprint-2** | 20 | 2 Days | 18 June 2025 | 19 june 2025 | 20 | 19 june 2025 |
| **Sprint-3** | 20 | 4 Days | 20 June 2025 | 23 june 2025 | 20 | 23 june 2025 |
| **Sprint-4** | 20 | 2 Days | 24 June 2025 | 26 june 2025 | 20 | 26 june 2025 |