**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 23 March 2025 |
| Team ID | PNT2025TMID06908 |
| Project Name | Prediction plant growth stages with environment and management data using Power BI |
| Maximum Marks | 5 Marks |

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

Use the below template to create product backlog and sprint schedule

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 2 | High | tohit |
| Sprint-1 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | rohan |
| Sprint-2 |  | USN-3 | As a user, I can register for the application through Facebook | 2 | Low | Ayush |
| Sprint-1 |  | USN-4 | As a user, I can register for the application through Gmail | 2 | Medium | Tanuja |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 1 | High | Rohan |
| Sprint-4 | Dashboard | US N-6 | Creatr board using tool | 3 | High | Tohit |
| Sprint-3 | Model Development | US N-7 | Train Priditive Model | 5 | High | Ayush |
| Sprint-4 | Visualization | US N-8 | Create Power BI dashboard | 4 | High | Tanuja |

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

| **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 | | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 20 | 29 Oct 2022 |
| Sprint-2 | 20 | | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 30 | 19 Nov 2022 |
| Sprint-3 | 20 | | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 39 | 12 Nov 2023 |
| Sprint-4 | 20 | | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 23 | 23 Des 2024 |
| Sprint-5 | 30 | | 6 Days | 1 Jan 2023 | 12 Nov 2023 | 23 | 4 jan 2025 |
| Sprint-6 | 40 | | 6 Days | 23 May 20224 | 23 Des 2024 | 23 | 5 Feb 2025 |
| Sprint-7 | 50 | | 6 Days | 30 oct 2024 | 4 jan 2025 | 43 | 8 Feb 2025 |
| Sprint-8 | 40 | | 6 Days | 2 Feb 2025 | 5 Feb 2025 | 20 | 9 Feb 2025 |
|  | |  |  |  |  |  |  |

**Velocity:**

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let’s calculate the team’s average velocity (AV) per iteration unit (story points per day)

