**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 22 JUNE 2025 |
| Team ID | LTVIP2025TMID31510 |
| Project Name | Airlines Management System |
| Maximum Marks | 5 Marks |

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

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Assigned Team Members** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Registration | USN-1 | As a user, I can register for the portal by entering email and password | 2 | High | Naguluru Mahesh Reddy, Tejasree |
| Sprint-1 |  | USN-2 | As a user, I will receive a confirmation email upon successful registration | 1 | High | Tejasree |
| Sprint-1 |  | USN-3 | As a user, I can register via Gmail or LinkedIn | 2 | Medium | Dega Venkatarao |
| Sprint-1 | Login | USN-4 | As a user, I can log in with my email and password | 2 | High | Naguluru Mahesh Reddy |
| Sprint-2 | Booking Management | USN-5 | As a passenger, I can book a flight by selecting date, time, and destination | 5 | High | Aluru Omnath Reddy, Naguluru Mahesh Reddy |
| Sprint-2 |  | USN-6 | As an admin, I can view and manage all bookings | 3 | High | Tejasree |
| Sprint-3 | Crew Assignment | USN-7 | As a scheduler, I can assign crew members to flights automatically | 3 | Medium | Dega Venkatarao |
| Sprint-3 | Reports | USN-8 | As an admin, I can view reports on flights, bookings, and crew performance | 2 | Low | Aluru Omnath Reddy |

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

| **Sprint** | **Total Story Points** | **Duration** | **Sprint Start Date** | **Sprint End Date (Planned)** | **Story Points Completed (on Planned End Date)** | **Sprint Release Date (Actual)** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | 7 SP | 3 Days | 18 June 2025 | 21 June 2025 | 7 SP | 21 June 2025 |
| Sprint-2 | 8 SP | 3 Days | 22 June 2025 | 25 June 2025 | 8 SP | 25 June 2025 |
| Sprint-3 | 5 SP | 2 Days | 26 June 2025 | 28 June 2025 | 5 SP | 28 June 2025 |
| Sprint-4 | 5 SP (Planned) | 3 Days | 29 June 2025 | 1 July 2025 | Pending | Pending |

**Velocity Calculation:**

* **Total Story Points Completed:** 7 + 8 + 5 = **20 SP**
* **Total Duration:** 3 + 3 + 2 = **8 Days**
* **Velocity per Sprint:** 20 / 3 = **6.67 SP per Sprint (approx.)**
* **Average Velocity per Day:** 20 SP / 8 Days = **2.5 SP per Day**

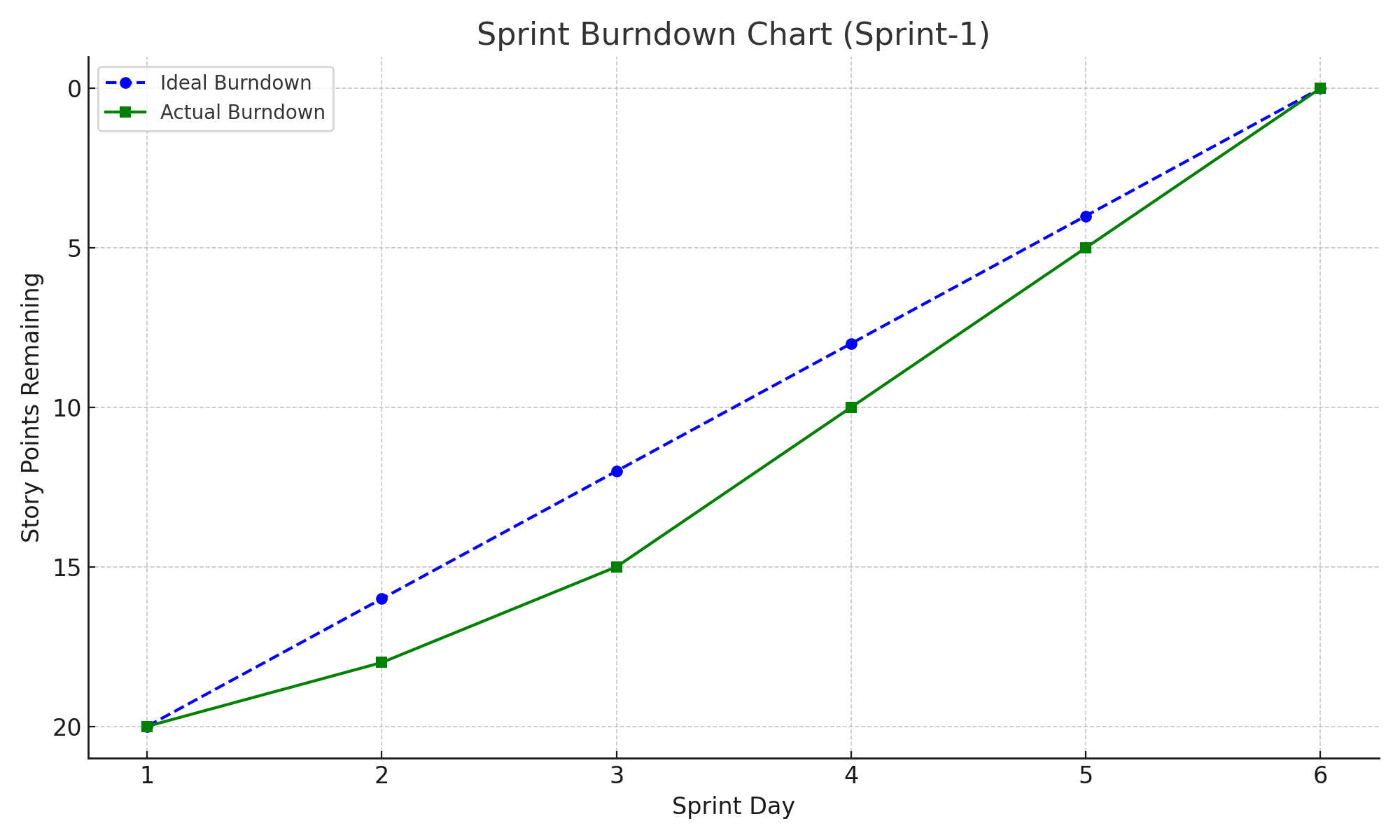
### Burndown Chart: Airlines Management System Project:

**Definition:**

A burndown chart is a visual tool used to track the progress of your team during each sprint. It shows how many story points remain versus the number of days in the sprint.

**Purpose for Your Project:**

This is our team (Mahesh, Tejasree, Dega Venkatarao, and Aluru Omnath Reddy) completed work across your 4 sprints from 18 June to 30 June 2025.

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