**Project Planning Phase**

**Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)**

|  |  |
| --- | --- |
| Date | 18October 2022 |
| Team ID | PNT2022TMID11613 |
| Project Name | Project –Flight Delay Prediction |
| Maximum Marks | 8 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 | Home page | USN-1 | As a user, I can view my home page of the application. | 20 | Low | Subha sree,Susmitha |
| Sprint-2 | Flight Delay Display | USN-2 | As a user, I will be able to enter the data in the application | 20 | Medium | Sanjana Devi, Sona |
| Sprint-3 | Data entry | USN-3 | As a user, there will be fields in which I need to give my data | 20 | High | Subha sree, Sanjana Devi |
| Sprint-4 | Flight Delay Prediction | USN-4 | As a user, I will expect my predicted value to be displayed | 20 | High | Sona,Susmitha |

**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 | 26 Oct 2022 | 30 Oct 2022 | 20 | 31 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 1 Nov 2022 | 06 Nov 2022 | 20 | 09 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 09 Nov 2022 | 14 Nov 2022 | 20 | 14 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 16 Nov 2022 | 19 Nov 2022 | 20 | 19 Nov 2022 |

**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)



Sprint 1: 1 user story x 20 story points = 20

Sprint 2: 1 user story x 20 story points = 20

Sprint 3: 1 user story x 20 story points = 20

Sprint 4: 1 user story x 20 story points = 20

**Total = 80**

**Average sprint velocity is 80/4 = 20**