**Project Planning Phase**

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

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| --- | --- |
| Date | 22 October 2022 |
| Team ID | PNT2022TMID52214 |
| Project Name | Project – Flight Delay Predication Model Using  By Machine Learning. |
| Maximum Marks | 8 Marks |

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

Use the below template to create product backlog and sprint schedule

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| --- | --- | --- | --- | --- | --- | --- |
| **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 | Saranya |
| Sprint-1 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | Raja rathna |
| Sprint-2 |  | USN-3 | As a user, I can register for the application through Facebook | 2 | Low | Ramya |
| Sprint-1 |  | USN-4 | As a user, I can register for the application through Gmail | 2 | Medium | Uma |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password | 1 | High | Raja rathna |
| Sprint-3 | Dashboard | USN\_6 | To view dashboard on our project and check  Customer information. | 2 | High | Saranya |
| Sprint-4 | Review | USN-7 | As a customer review our site. | 1 | High | Uma |

**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 | 20 | 05 Oct 2022 |
| Sprint-3 | 25 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 19 | 07 Oct 2022 |
| Sprint-4 | 25 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 14 Nov 2022 |
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**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& Sprint 2:**

**AV= 20/6 =3.3**

**Sprint 3& Sprint 4:**

**AV=25/6=4.1**