Project Planning Phase

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

|  |  |
| --- | --- |
| Date | 18 October 2022 |
| Team ID | PNT2022TMID01346 |
| Project Name | Developing a Flight Delay Prediction Model using 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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | User Registration | USN-1 | As a user, I can register for the application by entering email, password, and confirming password. | 2 | High | 1.SAI KRITHIKA R  2.DEEPIKA E |
| Sprint-2 | User Confirmation | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | 1.MONISHA D  2.MOHANA PRIYA |
| Sprint-2 | User login | USN-3 | As a user, I Can login with the credentials I have used during registration. | 2 | Medium | 1.MONISHA  2.MOHANA PRIYA B |
| Sprint-3 | Forgot password | USN-4 | As a user, I can reset the password via registered email or mobile number. | 2 | Medium | 1.MONISHA  2.SAI KRITHIKA R |
| Sprint-3 | Book Flights | USN-5 | As a user, I can log into the application by entering email & password and book flights. | 1 | High | 1.DEEPIKA E  2.MOHANA PRIYA B |
| Sprint -4 | Request Cancellation | USN -6 | As a user I can request cancellation of flight by using the login credentials which is used during registration. | 2 | Medium | 1.SAI KRITHIKA R  2.DEEPIKA E |

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 | 2 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 2 | 29 Oct 2022 |
| Sprint-2 | 3 | 6 Days | 31 Oct 2022 | 1. Nov 2022 | 3 | 1 Nov 2022 |
| Sprint-3 | 3 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 3 | 13 Nov 2022 |
| Sprint-4 | 2 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 2 | 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)

AV = SPRINT DURATION/VELOCITY

= 24/10

= 2.4

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile [software development](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/). However, burn down charts can be applied to any project containing measurable progress over time.

