

## 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 KRITHIKAR 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 KRITHIKAR
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 KRITHIKAR 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	05 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)

$$\begin{aligned}AV &= \text{SPRINT DURATION} / \text{VELOCITY} \\&= 24 / 10 \\&= 2.4\end{aligned}$$

## 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 methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

