

## Project Planning Phase

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

Team ID	PNT2022TMID33055
Project Name	Airlines Data Analytics For Aviation Industry
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming My password	2	Low	Jaswanth P
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	3	Medium	Shavan Kumar M
Sprint-1	Login	USN-3	As a user, I adapt to logging into the system with credentials.	2	Low	Sai Adarsh V
Sprint-1	Designation of Region	USN-4	As a user, I can collect the dataset and select the region of interest to be monitored and analysed	2	Low	Sai Athithya S
Sprint-2	Exploration Of The Data	USN-5	As a developer,I will explore the given dataset through cognos.	4	High	Shavan Kumar M
Sprint-2	Visualization Of The Dataset	USN-6	As a developer,I will visualize the given dataset into a dashboard using cognos.	2	Low	Sai Adarsh V
Sprint-3	Customization Of The Dashboard	USN-7	As a user,I can customize the visualized dashboard.	2	Low	Jaswanth P
Sprint-3	Ease of Access	USN-8	As a user,I can easily access and manipulate the dashboard.	2	Low	Sai Athithya S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Report Generation	USN-9	As a user,I can view the detailed report of my visualization.	4	High	Sai Athithya .S
Sprint-4	Establishment of the Dashboard	USN-10	As a developer,I established the dashboard into a website and submit the website.	3	Medium	Shavan Kumar M

#### 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	12	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	12	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	12	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	12	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)

$$\text{Average velocity} = \text{Sprint duration} / \text{velocity} = 12/6 = 2$$

## 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.

