# Project Planning Phase

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

| Date | 24 October 2022 |
|---|---|
| Team ID | PNT2022TMID08904 |
| 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 that. | 2 | Low | Masil, Abdul, Pranav, Pranav anand |
| Sprint-1 | Registration | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 3 | High | Masil, Abdul, Pranav, Pranav anand |
| Sprint-1 | Login | USN-3 | As a user, I adapt to logging into the system with credentials. | 2 | Low | Masil, Abdul, Pranav, Pranav anand |
| 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 | 5 | Medium | Masil, Abdul, Pranav, Pranav anand |
| Sprint-2 | Exploration Of The Data | USN-5 | As a developer, I will explore the given dataset through cognos. | 6 | High | Masil, Abdul, Pranav, Pranav anand |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint-2 | Visualization Of The Dataset | USN-6 | As a developer, I will visualize the given dataset into a dashboard using cognos. | 6 | High | Masil, Abdul, Pranav, Pranav anand |
| Sprint-3 | Customization Of The Dashboard | USN-7 | As a user, I can customize the visualized dashboard. | 6 | Medium | Masil, Abdul, Pranav, Pranav anand |
| Sprint-3 | Ease of Access | USN-8 | As a user, I can easily access and manipulate the dashboard. | 6 | Medium | Masil, Abdul, Pranav, Pranav anand |

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|---|---|---|---|---|---|---|
| Sprint-4 | Report Generation | USN-9 | As a user, I can view the detailed report of my visualization. | 6 | High | Masil, Abdul, Pranav, Pranav anand |
| Sprint-4 | Establishment of the Dashboard | USN-10 | As a developer, I established the dashboard into a website and submit the website. | 6 | High | Masil, Abdul, Pranav, Pranav anand |

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.