# Project Planning Phase

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

| Date | 04 November, 2022 |
|---|---|
| Team ID | PNT2022TMID22532 |
| Project Name | Airlines Data Analytics for Aviation Industry |
| Maximum Marks | 8 Marks |

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

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story points | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint1 | Data Preprocessing and Exploratory Data Analysis(EDA) | USN-1 | Data cleaning is implemented to check whether, there are any null values or any outliers are found | 10 | Medium | Divya Dharshini R Janani C S Subhashini S Vismaya M J |
| | | USN-2 | Testing and Training the data model is implemented using Jupyter notebook | 10 | High | Divya Dharshini R Janani C S Subhashini S Vismaya M J |
| Sprint2 | Working with dataset | USN-3 | Working with the Dataset. Understanding the Dataset Loading the Dataset Exploring the dataset Visualize the Data. | 20 | Medium | Divya Dharshini R Janani C S Subhashini S Vismaya M J |
| Sprint3 | Data Visualization | USN-4 | We plan to create various graphs and charts to highlight the insights and visualizations with the given attributes | 20 | High | Divya Dharshini R Janani C S Subhashini S Vismaya M J |

| Sprint4 | Dashboard | USN-5 | Dashboard Showing Different Types Of Visuals | 15 | High | Divya Dharshini R Janani C S Subhashini S Vismaya M J |
|---------|-----------|-------|---------------------------------------------|-----|------|--------------------------------------------------------|
| | | USN-6 | User can able to generate Report and Story | 5 | Medium | Divya Dharshini R Janani C S Subhashini S Vismaya M J |

Project Tracker, Velocity & Burn down 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 | 26 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 02 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 09 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 16 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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

# BURNDOWN CHART

 A Burndown chat 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.

## Sprint Burn Down Chart

Story Points Remaining in the Sprint Backlog

Days in the Sprint