Project Planning Phase

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

Date	04 November, 2022
Team ID	PNT2022TMID28207
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	Bharath Kumar S Anirudh V Aravindhan S Dhanush V Dhakshna Moorthy B
		USN-2	Testing and Training the data model is implemented using Jupyter notebook	10	High	Bharath Kumar S Anirudh V Aravindhan S Dhanush V Dhakshna Moorthy B
Sprint2	Working with dataset	USN-3	Working with the Dataset. Understanding the Dataset Loading the Dataset Exploring the dataset Visualize the Data.	20	Medium	Bharath Kumar S Anirudh V Aravindhan S Dhanush V Dhakshna Moorthy B
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	Bharath Kumar S Anirudh V Aravindhan S Dhanush V Dhakshna Moorthy B

Sprint4	Dashboard	USN-5	Dashboard Showing Different Types Of Visuals	15	High	Bharath Kumar S Anirudh V Aravindhan S Dhanush V Dhakshna Moorthy B
		USN-6	User can able to generate Report and Story	5	Medium	Bharath Kumar S Anirudh V Aravindhan S Dhanush V Dhakshna Moorthy B

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.